

Department of Veterans Affairs
Decentralized Hospital Computer Program

DIETETICS SYSTEM TECHNICAL MANUAL

Version 5.0
October 1995

Hines IRM Field Office
Hines, Illinois

Preface

This DHCP Dietetics System Technical Manual has been developed to assist Dietetic ADP Coordinators, ISC Field Support personnel, and VAMC IRM personnel in understanding the routine and global structures of the Dietetics package. In addition, material relating to security, resource requirements, and relationships to other DHCP packages is included.

Preface

Table of Contents

Introduction	1
Orientation	3
Implementation and Maintenance	5
Functional Description	5
Resource Requirements	8
Site Configuration Issues	9
Exported Menu Structure	15
File List	69
Cross References	77
Routine Descriptions	85
File Diagram	91
Archiving and Purging	99
Callable Routines	101
Package-wide Variables	103
External Relations	105
Internal Relations	107
How to Generate On-Line Documentation	109
Package Security	111
Glossary	113
Order Entry V. 3 (CPRS) Pre-Installation, Patch 12	App 1
Dietetics Interface Specification Documentation, Patch 6	App 9
Introduction	App 10
Post-init Conversion	App 11
Dietetics Order Parameter	App 13
HL7-Fields	App 14
Additional Orders	App 16
Order Specs for OE/RR.....	App 16
HL7 Fields	App 16
Diet Orders	App 19
Order Specs for OE/RR.....	App 20
HL7 Fields	App 21
Early/Late Trays	App 25
Order Specs for OE/RR.....	App 25
HL7 Fields	App 25
NPO	App 29
Order Specs for OE/RR.....	App 29
HL7 Fields	App 29
Tubefeedings	App 32
Order Specs for OE/RR.....	App 32
HL7 Fields	App 32
Cancelling a Tubefeeding	App 34
Isolation/Precaution	App 36

Table of Contents

Order Specs for OE/RR.....	App 36
HL7 Fields	App 36
Consults	App 38
Patient Movements	App 39
Admission	App 39
Discharge	App 39
Pass	App 40
Purge Orders	App 41
HL7 Fields	App 41
Procedure Calls	App 43
Dietetic Profile	App 43
Nutrient Assessment	App 44
Nutrient Assessment Display.....	App 45
Diet Profile	App 46
Current Diet Display Entry Point	App 47

Introduction

The Dietetics System is a fully integrated clinical dietetics, dietetic order, food production and management system. It requires Kernel 6.5 or later and MAS 5 or later for proper initialization and operation. In addition, file 200 (New Person) and file 101 (Protocol) must exist. Although the Protocol file must exist for proper MAS linkages, OE/RR need not be operational.

The objectives of the package are to increase efficiency in operations of both Dietetic Service personnel, as well as other medical center personnel responsible for ordering, tracking, and utilizing dietetic information. An important component is also increasing the quality, timeliness and availability of dietetic information.

Introduction

Orientation

This package uses the mandated FileMan conventions which are explained in a separate publication of the San Francisco ISC, 'Users Guide to Computing', the FileMan User's Manual, and the section in the Dietetic Implementation & Training Guide entitled 'Using a Computer Terminal and Printer.' All of these publications are incorporated by reference.

A person unfamiliar with basic terminal usage and/or FileMan conventions will probably find this manual beyond the scope of their needs and should seek assistance from their local ISC.

Orientation

Implementation and Maintenance

Functional Description

The Dietetics software has been divided into three major areas: Clinical Dietetics, Dietetic Orders, and Food Management.

The Clinical Dietetics software contains modules for the following general operations:

- | | |
|----------------------------------|--|
| Nutritional Assessment: | Allows for the assessment of the nutritional status of a patient based upon commonly accepted formulas. |
| Energy/Nutrient Analysis: | Calculates daily and average totals of food nutrient values for a list of entered foods and allows for storage, retrieval, and editing of the food list. |
| Nutritional Screening: | Produces a screening form containing basic dietetic data for use in assessing the status of a patient, as well as providing recommendations for care. |
| Encounters: | This module tracks dietetic activities, such as diet instructions, assessments, nursing home visits, etc. It can produce summary statistics for all dietetic-related activities. |
| Consult Management: | Allows for the electronic transmission of requests for nutrition services using the medical center's electronic mail system (MailMan). Tracks request status and tabulates productivity figures based on completed requests. |

The Dietetic Orders module provides the following capabilities:

Diet Order Entry:	Allows for the electronic transmission of all routine information about diet orders and meal service from ward personnel to Dietetic Service. Automatically updates patient location from MAS information. Produces a variety of gummed labels, lists and operating reports to replace a manual diet change system.
Supplemental Feedings:	Allows for a pre-selected group of nourishments or an individualized selection to be chosen for a patient. Selections may be changed and patient location is automatically updated from information in MAS programs.
Includes:	Automatic cost accounting.
Standing Orders:	Allows for the entry, tracking, and tabulation of standing orders for food items or preferences which normally appear on diet cards. Entry is by patient and meal; tabulation is by meal.

The Dietetics Administration software consists of the following general areas:

Administrative Reports:	Uses ration data, census data and performance data to produce three reports.
Production Reports:	Produces reports relating to the weekly menus, daily menus, meal production requirements and delivery schedules, standing order and patient preference tabulations, as well as projected ingredient requirements.
Patient Movements:	Uses data from Medical Administration to provide users with current information about admissions, discharges, inter-ward transfers, and passes.

Ingredient Management:	Allows for management of the ingredient file, as well as related files such as the storage location, units, and vendor file.
Menu Cycle Management:	Allows management of the menu cycle including cycle maintenance, management of menus, specialized holiday meals, and related functions.
Recipe Management:	Allows for management of the recipe file as well as related files such as the recipe category, equipment, preparation area, and serving utensil files. Ability to adjust recipe for varying portions and to update recipe costs is provided.
Production Management:	Allows for management of service points, dietetic wards, additional meals, and production diets.

Resource Requirements

The sizing model for the Dietetics package is as follows:
CRT's:

$$\begin{aligned} & (\text{Avg. Daily Census} + 600)/400 \\ & + 3 * \text{Production Areas} \\ & + 2 * \text{Communication Centers} \\ & + 2 * \text{Service Points} \end{aligned}$$

Printers:

$$\begin{aligned} & \text{Dot Matrix: } (\text{Avg. Daily Census} + 600)/400 \\ & + 1 \text{ per Production Area} \\ & + 1 \text{ per Service Point} \end{aligned}$$

Label Printer:

$$\begin{aligned} & 1 \text{ per Production Area} \\ & 1 \text{ per Service Point} \end{aligned}$$

Tray Ticket and Diet Card Printer:

$$\begin{aligned} & 1 \text{ per Production Area} \\ & 1 \text{ per Service Point} \end{aligned}$$

CPU Capacity:

$$(\# \text{ CRT's} + \# \text{ Printers})/60 \text{ Throughput Units (TU's)}$$

Disk Capacity:

$$(\text{Patients Treated} / 500) + 3 \text{ Mb.}$$

Until full delivery of equipment is made, and prior to full implementation of all aspects of the package, it is possible to implement this package with a CRT, dot matrix printer, and label printer in each Production Area, Communication Center, and Service Point.

The label printer may be dot matrix or other type but must be able to accommodate 3-1/2" wide label stock.

The tray ticket and diet card printer must be a laser printer either a Hewlett Packard LaserJet III or IV or a Kyocera. Refer to page 2 of Installation Guide for landscape printing set up.

Site Configuration Issues

The option Modify System Parameters allows the Dietetics Service to configure the program for various modes of operation. In order to assist in the decision making, explanatory text precedes each parameter. Following is a listing of the dialogue showing some representative defaults which would probably be slightly different for any given site.

Select the label size used at your facility. This will be used for all labels.

SIZE OF LABELS: 3-1/2 x 15/16//

If site wish to use Tray Tickets, answer YES to the following, otherwise answer NO. If answered Yes, the site will see a no diet pattern message for every patient that does not have a diet pattern entered for them on the Diet Activity Report.

WILL YOU USE TRAY TICKETS?: YES//

If site answered YES to the question above, you will see the following. Answer YES to have Tray Tickets and Diet Cards print the headings on the bottom, otherwise answer NO.

HEADING ON BOTTOM OF TICKET?:

The Diet Order Parameters are under the option, Enter/Edit Dietetic Wards.

--- Diet Order Parameters ---

If you wish a diet to be automatically ordered at the time of admission, select that diet. Else press RETURN.

DEFAULT ADMISSION DIET:

If no default admission diet is specified, a 'No Order' type of NPO may generated upon admission resulting in a diet label being generated and appearance on the NPO list. Answer YES if you want the 'No Order' generated, otherwise press RETURN.

'NO ORDER' DIET ON ADMISSION: NO//

The window time periods, early/late tray times, and alarm windows are entered under a separate option, Enter/Edit Communication Offices.

Implementation and Maintenance

The following three beginning times are used to assign times to Breakfast, Noon & Evening. They should be just before you run your various lists for each meal.

```
BEGIN BREAKFAST WINDOW: 6:50A//  
BEGIN NOON WINDOW: 11:25A//  
BEGIN EVENING WINDOW: 4:55P//
```

If you wish to allow bagged meals to be ordered, answer YES to the following, otherwise answer NO.

```
PROVIDE BAGGED MEALS?: YES//
```

--- Early/Late Trays ---

You may select up to three discrete early delivery times and three late times for each meal. These times will be displayed to the clerk for selection. Enter times like: 8A 11:20A or 4:30P -- 12:00P is noon.

```
EARLY BREAKFAST TIME 1: 6:20A//  
EARLY BREAKFAST TIME 2:  
EARLY BREAKFAST TIME 3:
```

```
LATE BREAKFAST TIME 1: 7:50A//  
LATE BREAKFAST TIME 2: 9:25A//  
LATE BREAKFAST TIME 3:
```

```
EARLY NOON TIME 1: 11:00A//  
EARLY NOON TIME 2:  
EARLY NOON TIME 3:
```

```
LATE NOON TIME 1: 12:50P//  
LATE NOON TIME 2: 2:00P//  
LATE NOON TIME 3:
```

```
EARLY EVENING TIME 1: 4:30P//  
EARLY EVENING TIME 2:  
EARLY EVENING TIME 3:
```

```
LATE EVENING TIME 1: 5:50P//  
LATE EVENING TIME 2: 8:50P//  
LATE EVENING TIME 3: 9:00P//
```

The following 'Alarm' windows are periods during which you have already started processing a meal but will still accept late tray orders. The start time should be your normal cut-off time for normal orders. The end time should be a few minutes less than the latest late-tray time for that meal.

```
LATE BREAKFAST ALARM BEGIN: 6:30A//  
LATE BREAKFAST ALARM END: 8:30A//
```

LATE NOON ALARM BEGIN: 10:00A//
LATE NOON ALARM END: 3:00P//
LATE EVENING ALARM BEGIN: 5:30P//
LATE EVENING ALARM END: 8:30P//

The Supplemental feeding parameters are under
the option, Enter/Edit Supplemental Feeding Sites.

--- Supplemental Feedings ---

If you wish all items on a single label, answer
NO. If you each item on a separate label answer YES.

SEPARATE SUPP FDG LABELS?: NO//

If you intend to use ward lists rather than labels
for assembling or picking nourishment items, answer YES.

INGREDIENTS ON WARD LISTS?: YES//

Food production parameters are entered in a separate option,
Enter/Edit Production Facilities.

--- Food Production Parameters ---

The Daily Diet Menus may be printed with full names for each
recipe for the modified diets or may be printed using a number
for a Regular recipe appearing in a modified diet. Answer YES
if you want full names, NO if you want numbers.

FULL NAMES ON DAILY MENU?: NO//

The Production Summary form can be produced on a single
page or on separate pages for distribution to the
various preparation areas. Your answer will depend
upon whether you intend to use this optional field
for each recipe and whether you need separate pages
for each preparation area.

SEP. PRODUCTION SUMMARY PAGES?: YES//

The Meal Distribution Report, listing quantities
of each recipe to be delivered to each delivery point,
can be printed along with the Production Summary.
Answer YES if you want this report, otherwise NO.

Implementation and Maintenance

PRINT MEAL DISTRIBUTION?: YES//

The Recipe Preparation form can be produced on a single page or on separate pages for distribution to the various preparation areas. Your answer will depend upon whether you intend to use this optional field for each recipe and whether you need separate pages for each preparation area.

SEP. RECIPE PREPARATION PAGES?: YES//

The Storeroom Requisition sheet, listing each required ingredient and the recipes containing that ingredient, can be produced as a single page (or pages) or a separate page can be produced for each storeroom. You should select separate pages only if you intend to use this optional variable for each ingredient.

SEP. STOREROOM PAGES?: NO//

The clinical site parameters are entered using a separate option available under 'Clinical Management' on the FHMGRG menu.

--- Clinical Site Parameters

The assessment default units are used for determining the units for inputs when units are not specified and for determining which units are used for output on the assessment and screening forms. Either English or metric may be selected.

ASSESSMENT DEFAULT UNITS: ENGLISH//

The Screening form makes provision for a site-selectable line being added to the form as the last line under the S: (or subjective) section. If an entry is made, the user should consider the indenting and column usage of the existing lines in determining the line to be entered. Just press RETURN to bypass having this extra line.

OPTIONAL SCREENING LINE: CULTURAL, RELIGIOUS OR ETHNIC PREFERENCES _____ ... replace

In order to provide a transition toward the use of the Encounter module, a site may optionally choose whether the clearing of a consult will then prompt for an encounter. It is anticipated that eventually consults will merely be tracked as requests for service whereas the Encounter module will be used to track the actual services provided. Answer YES if you wish to be prompted for an encounter when clearing a consult, otherwise answer NO.

CLEAR CONSULTS WITH ENCOUNTER?: YES//

In selecting laboratory results to be displayed, the program allows for the selection of the number of days in the past for which data will be searched. Thus, selecting 30 as a value will result in the most recent lab test results obtained in the last 30 days being displayed.

OF DAYS TO OBTAIN LAB DATA: 14//

You should select only those laboratory tests in which the clinical staff is typically interested. You will also be prompted as to whether you wish those results to be printed on the Assessment report and the Screening form.

Select LAB TEST: IRON//
LAB TEST: IRON//
SPECIMEN: SERUM//
PRINT ON ASSESSMENT?: YES//

PRINT ON SCREENING?: YES//
Select LAB TEST:

You should select only those drug classifications in which the clinical staff is typically interested. In displaying prescribed drugs, the actual drug name will appear, but the selection of drugs to be displayed will be controlled by the drug classifications selected.

Select DRUG CLASSIFICATIONS: GA200//

Implementation and Maintenance

Exported Menu Structure

Not every staff member should have access to all the options. Therefore, seven levels of access have been established, with four additional options which can be assigned to customized menus if desired.

The nine primary levels of access are:

FHWARD Dietetic Orders

This gives access to a simplified menu intended for use by ward clerks, nurses and others, for the purpose of ordering diets. It does not provide access to any software other than Diet Order Entry.

FHBUD Budget Assistant Menu

This gives a clerical user access to the Administrative Report options, ingredient management options and to updating cost options for supplemental feedings, tube feedings, and ingredients.

FHTECH Clinical Dietetics

This gives Dietetic Service users access to all of the routine functions, reports and lists.

FHDIET Clinical Dietetics

This gives Dietetic Service users access to all of the routine functions, reports and lists. Options from other services may be added to this menu.

(FHTECH and FHDIET access are essentially the same, except for the location and two-letter code of the Dietetic Lists and Reports option. The existence of the separate menus facilitates adding Laboratory or Pharmacy options to FHDIET without adding them to FHTECH.)

Exported Menu Structure

FHADM Production Reports Menu	This allows access to all lists and reports used for production, and would generally be assigned to first line supervisors, diet office personnel, and the ingredient room personnel.
FHPRO Food Production Menu	This allows access to all frequently used production options and reports. It is intended for dietetic users who would access all recipe and menu functions as well as run routine reports and lists. Designed for supervisory administrative dietetic users.
FHMGRA Dietetic Administration	This gives access to all administrative and food production routines, reports and file maintenance options. It also provides access to File Manager.
FHMGR Clinical Dietetics	This gives access to all clinical routines, reports, lists and file maintenance options. It also provides limited access to File Manager.
FHMGR Dietetic Management	This provides access to all functions.
Access to FHMGR, FHMGRA, and FHMGR Clinical Dietetics (manager levels) should be restricted to a limited number of responsible individuals who understand that any information altered in the main data files will affect the operation and accuracy of the programs and likely the overall operation of the food service as well.	
The Dietetic Service may authorize the assignment of menu options to other users on an individual basis. The additional specialized levels of access are:	
FHPATM Patient Movements	This allows a user to review all admissions, discharges, and transfers from a specific point in time.

FHPATP Dietetics Patient Profile

This allows a user to review diet orders and patient profile without access to any other Dietetic option.

FHUSR Nutritional Analysis

This provides access to Nutrition Assessment and the Abbreviated Analysis options of Energy/Nutrient Analysis.

FHORD10 Ward Diet List

This allows a user to print the patient diet order list for any ward.

The following pages contain menu diagrams for each of the above options except FHPATM and FHORD10 which are options that directly run routines rather than menus.

Exported Menu Structure

Diagram of Menu: FHWARD

```
Dietetic Orders (FHWARD)
|
---OA Enter Additional Order [FHORO1]
---OC Order Consult [FHORC1]
---OD Order Diet [FHORD1]
---OE Order Early/Late Tray [FHOREL2]
---ON NPO/Hold Tray [FHORD3]
---OT Order Tubefeeding [FHORTF3]
---PA Enter/Edit Patient Reaction Data
    [GMRA PATIENT A/AR EDIT]
---PH Review Diet Orders [FHORD2]
---PI Enter/Cancel
    Isolation/Precautions [FHORD4]
---PP Patient Profile [FHORD9]
---XE Cancel Early/Late Tray [FHOSEL3]
---XN Cancel NPO/Withhold Order
    [FHORD12]
---XT Cancel Tubefeeding Order
    [FHORTF4]
```

Diagram of Menu: FHBUD

```

Budget Asst. Menu (FHBUD)
|
---AM Administrative Menu [FHADMR] -----AR Additional Meals Report
                                         [FHADMR3]
|
-----PE Enter/Edit Staffing Data
                                         [FHADMR4]
|
-----PR Staffing Data Report
                                         [FHADMR5]
|
-----QE Enter/Edit Current Ingredient
                                         QOH [FHING12]
|
-----QW Display Ingredient Inventory
                                         List [FHING13]
|
-----RE Enter/Edit Served Meals
                                         [FHADMR1]
|
-----RR Served Meals Report [FHADMR2]
|
-----RS Enter/Edit Cost of Meals
                                         Served [FHCMRR1]
|
-----SP Cost of Meals Served Report
                                         [FHCMRR2]
|
-----SR Supplemental Feeding Cost
                                         Report [FHNO11]
|
-----TC Print Tubefeeding Cost Report
                                         [FHORTF5C]
|
-----IC Edit Ingredient Cost
                                         [FHADMR8]
|
-----PU Projected Usage [FHPRR1]
|
-----WP Print Weekly Menu [FHPRC7]
|
---XI Ingredient Management [FHINGM] -----IE Enter/Edit Ingredients
                                         [FHING3]
|
-----IN List Ingredients - Nutrient
                                         Data [FHING52]
|
-----IP List Ingredients - Purchasing
                                         Data [FHING51]
|
-----IR List Ingredients - Recipe
                                         Data [FHING5]

```

Exported Menu Structure

```
|-----LE Enter/Edit Storage Locations  
|-----[FHING4]  
|-----LL List Storage Locations  
|-----[FHING8]  
|-----QE Enter/Edit Current Ingredient  
|-----QOH [FHING12]  
|-----QW Display Ingredient Inventory  
|-----List [FHING13]  
|-----RL List Recipes Containing an  
|-----Ingredient [FHING11]  
|-----UE Enter/Edit Units [FHING1]  
|-----UL List Units [FHING6]  
|-----VE Enter/Edit Vendor File  
|-----[FHING2]  
|-----VL List Vendors [FHING7]
```

Diagram of Menu: FHTECH

```
Clinical Dietetics (FHTECH)
|
---DC Dietetic Consults [FHORCM] -----AC Review Active Consults
                                         [FHORC2]
|
|-----CC Clear/Cancel/Reassign a
|                                         Consult [FHORC4]
|
|-----IN Consult Inquiry [FHORC3]
|
|-----OC Order Consult [FHORC1]
|
---DO Diet Orders [FHORDM] -----EP Enter/Edit Patient Diet
                                         Pattern [FHMTKE]
|
|-----OA Enter Additional Order
|                                         [FHORO1]
|
|-----OD Order Diet [FHORD1]
|
|-----OE Order Early/Late Tray
|                                         [FHOREL2]
|
|-----ON NPO/Hold Tray [FHORD3]
|
|-----OT Order Tubefeeding
|                                         [FHORTF3]
|
|-----PA Enter/Edit Patient
|                                         Reaction Data
|                                         [GMRA PATIENT A/AR EDIT]
|
|-----PF Enter/Edit Patient
|                                         Preferences
|                                         [FHSEL3]
|
|-----PH Review Diet Orders
|                                         [FHORD2]
|
|-----PI Enter/Cancel
|                                         Isolation/Precautions
|                                         [FHORD4]
|
|-----PP Patient Profile [FHORD9]
|
|-----XE Cancel Early/Late Tray
|                                         [FHOREL3]
|
|-----XN Cancel NPO/Withhold
```

Exported Menu Structure

```
Order [FHORD12]
-----XT Cancel Tubefeeding Order
[FHORTF4]

---EA Energy/Nutrient Analysis [FHNUM] -----AA Abbreviated Analysis
[FHNU5]
-----AN Print Analysis (32
Nutrients) [FHNU2]
-----MD Input Menu Data [FHNU4]
-----NI Print Nutrient Intake
Study (10 Nutrients) [FHNU8]
-----PM View/Print Menu [FHNU1P]
-----VM View Meal [FHNU1D]

---FP Food Preferences [FHSELM] -----DP Display Patient
Preferences [FHSEL4]
-----EP Enter/Edit Patient
Preferences [FHSEL3]
-----TP Tabulate Patient Meal
Preferences [FHSEL5]

-----LE List Encounters [FHASE7]

---NM Nutrition Patient Management -----DA Display Assessment
[FHASMR]
-----EA Enter Assessment
[FHASM1]
-----EE Enter/Edit Encounter
[FHASE3]
-----ES Enter Patient Nutrition
Status [FHASE6]

-----LE List Encounters [FHASE7]

-----LL List Inpats By Nutrition
Status Level [FHASNR4]
-----PE Patient Encounter
Inquiry [FHASE5]
-----PH Print Pat's Nutrition
Status History [FHASNR3]
```

Exported Menu Structure

```
|-----PP Print Nutrition Profile  
[FHASP1]  
  
|-----PS Print Screening Report  
[FHASXR]  
  
-----PE List Patient Events [FHORX2]  
-----PM Patient Movements [FHPATM]  
---SF Supplemental Feedings [FHNOM] -----IN Supplemental Feeding Inquiry  
[FHNO1I]  
|-----LA Run SF Labels/Consolid Ingred  
List [FHNO2]  
|-----SF Change Patient Supplemental  
Feedings [FHNO1E]  
|-----SH History of Supplemental  
Feedings [FHNO12]  
  
|-----WL Ward Supplemental  
Feeding Lists [FHNO3]  
  
|-----WP Print Bulk Feedings/Cost Report  
[FHNO10]  
|-----WR Review Bulk Ward Feedings  
[FHNO9]  
  
---SO Standing Orders [FHSPM] -----IN Standing Order Inquiry [FHSP4]  
|-----SC Consolidate Standing Orders  
[FHSP7]  
|-----SE Enter/Edit Standing Orders  
[FHSP3]  
|-----SL Print Standing Order Labels  
[FHSP8]  
|-----TS Tabulate Standing Orders  
[FHSP5]  
---TF Tickler File [FHCTF] -----CL Clear Tickler File Entries  
[FHCTF2]  
|-----DI Display Tickler File [FHCTF1]  
|-----EN Enter Tickler File Item  
[FHCTF3]
```

Exported Menu Structure

```
---XL Dietetic Lists/Reports [FHCDLST] -----BL Birthday List [FHBIR]
-----DA Diet Activity Report/Labels
[FHORD13]
-----DC Actual Diet Census [FHORD11]
-----DR Reprint Diet Labels [FHORD14]
-----EL List Early/Late Trays [FHOREL1]
-----IL Isolation/Precaution Patient
List [FHORD41]
-----LA Run SF Labels/Consolid Ingred
List [FHNO2]
-----NL NPO/Pass List [FHORD5]
-----PE List Patient Events [FHORX2]
-----SL Print Standing Order Labels
[FHSP8]
-----SO Tabulate Standing Orders
[FHSP5]
-----SP Consolidate Standing Orders
[FHSP7]
----TR Tubefeeding Reports/Labels -----TF Preparation/Delivery of
[FHORTFM] Tubfeedings [FHORTF5]
-----TL Print Tubefeeding
Labels [FHORTF5L]
-----TP Tubefeeding Preparation
[FHORTF5P]
-----TX Tubefeeding Pull Lists
[FHORT5S]
----TT Tray Tickets [FHMTKM] -----HP History of Diet
Patterns [FHMTKH]
-----LD List Inpats With
No/prev Patterns
[FHMTKN]
-----PD Print Diet Cards
[FHDCRP]
-----PT Print Tray Tickets
[FHMTKP]
```

Exported Menu Structure

```
|-----WD Ward Diet Order List  
|-----[FHORD10]  
|-----WL Ward Supplemental  
|-----Feeding Lists [FHNO3]  
|-----WP Print Bulk Feedings/Cost  
|-----Report [FHNO10]
```

Exported Menu Structure

Diagram of Menu: FHDIET

```
Clinical Dietetics (FHDIET)
|
---DC Dietetic Consults [FHORCM] -----AC Review Active Consults [FHORC2]
|
|-----CC Clear/Cancel/Reassign a Consult [FHORC4]
|
|-----IN Consult Inquiry [FHORC3]
|
|-----OC Order Consult [FHORC1]
|
---DO Diet Orders [FHORDM] -----EP Enter/Edit Patient Diet Pattern [FHMTKE]
|
|-----OA Enter Additional Order [FHORO1]
|
|-----OD Order Diet [FHORD1]
|
|-----OE Order Early/Late Tray [FHOREL2]
|
|-----ON NPO/Hold Tray [FHORD3]
|
|-----OT Order Tubefeeding [FHORTF3]
|
|-----PA Enter/Edit Patient Reaction Data [GMRA PATIENT A/AR EDIT]
|
|-----PF Enter/Edit Patient Preferences [FHSEL3]
|
|-----PH Review Diet Orders [FHORD2]
|
|-----PI Enter/Cancel Isolation/Precautions [FHORD4]
|
|-----PP Patient Profile [FHORD9]
|
|-----XE Cancel Early/Late Tray [FHOREL3]
|
|-----XN Cancel NPO/Withhold Order [FHORD12]
|
|-----XT Cancel Tubefeeding Order [FHORTF4]
|
---DR Dietetic Lists/Reports [FHCDLST] ----BL Birthday List [FHBIR]
|
|-----DA Diet Activity Report/Labels [FHORD13]
```

Exported Menu Structure

```
-----DC Actual Diet Census [FHORD11]
-----DR Reprint Diet Labels [FHORD14]
-----EL List Early/Late Trays [FHOREL1]
-----IL Isolation/Precaution Patient
      List [FHORD41]
-----LA Run SF Labels/Consolidated Ingred
      List [FHNO2]
-----NL NPO/Pass List [FHORD5]
-----PE List Patient Events [FHORX2]
-----SL Print Standing Order Labels
      [FHSP8]
-----SO Tabulate Standing Orders [FHSP5]
-----SP Consolidate Standing Orders
      [FHSP7]
-----TR Tubefeeding Reports/Labels -----TF Preparation/Delivery
      of Tubfeedings
      [FHORTFM]                                [FHORTF5]
-----TL Print Tubefeeding
      Labels [FHORTF5L]
-----TP Tubefeeding
      Preparation
      [FHORTF5P]
-----TX Tubefeeding Pull
      Lists [FHORT5S]
-----TT Tray Tickets [FHMTKM] -----HP History of Diet
      Patterns [FHMTKH]
-----LD List Inpatients With
      No/prev Patterns
      [FHMTKN]
-----PD Print Diet Cards
      [FHDCRP]
-----PT Print Tray Tickets
      [FHMTKP]
-----WD Ward Diet Order List [FHORD10]
-----WL Ward Supplemental Feeding Lists
      [FHNO3]
```

Exported Menu Structure

```
| -----WP Print Bulk Feedings/Cost Report  
| [FHNO10]  
  
---EA Energy/Nutrient Analysis [FHNUM] ---AA Abbreviated Analysis [FHNU5]  
| -----AN Print Analysis (32 Nutrients)  
| [FHNU2]  
| -----MD Input Menu Data [FHNU4]  
| -----NI Print Nutrient Intake Study (10  
| Nutrients) [FHNU8]  
  
| -----PM View/Print Menu [FHNU1P]  
| -----VM View Meal [FHNU1D]  
  
---FP Food Preferences [FHSELM] -----DP Display Patient Preferences  
[FHSEL4]  
| -----EP Enter/Edit Patient Preferences  
[FHSEL3]  
| -----TP Tabulate Patient Meal  
Preferences [FHSEL5]  
  
-----LE List Encounters [FPHASE7]  
  
---NM Nutrition Patient Management -----DA Display Assessment [FHASMR]  
[FHASCM]  
| -----EA Enter Assessment [FHASMI]  
| -----EE Enter/Edit Encounter [FPHASE3]  
| -----ES Enter Patient Nutrition Status  
[FPHASE6]  
| -----LE List Encounters [FPHASE7]  
| -----LL List Inpats By Nutrition Status  
Level [FHASNR4]  
| -----PE Patient Encounter Inquiry  
[FPHASE5]  
| -----PH Print Pat's Nutrition Status  
History [FHASNR3]  
| -----PP Print Nutrition Profile [FHASPI]  
| -----PS Print Screening Report [FHASXR]
```

Exported Menu Structure

```
-----PE List Patient Events [FHORX2]
-----PM Patient Movements [FHPATM]
---SF Supplemental Feedings [FHNOM] -----IN Supplemental Feeding Inquiry
                                         [FHNO1I]
                                         |
                                         -----LA Run SF Labels/Consolid Ingred
                                         List [FHNO2]
                                         |
                                         -----SF Change Patient Supplemental
                                         Feedings [FHNO1E]
                                         |
                                         -----SH History of Supplemental Feedings
                                         [FHNO12]
                                         |
                                         -----WL Ward Supplemental Feeding Lists
                                         [FHNO3]
                                         |
                                         -----WP Print Bulk Feedings/Cost Report
                                         [FHNO10]
                                         |
                                         -----WR Review Bulk Ward Feedings
                                         [FHNO9]

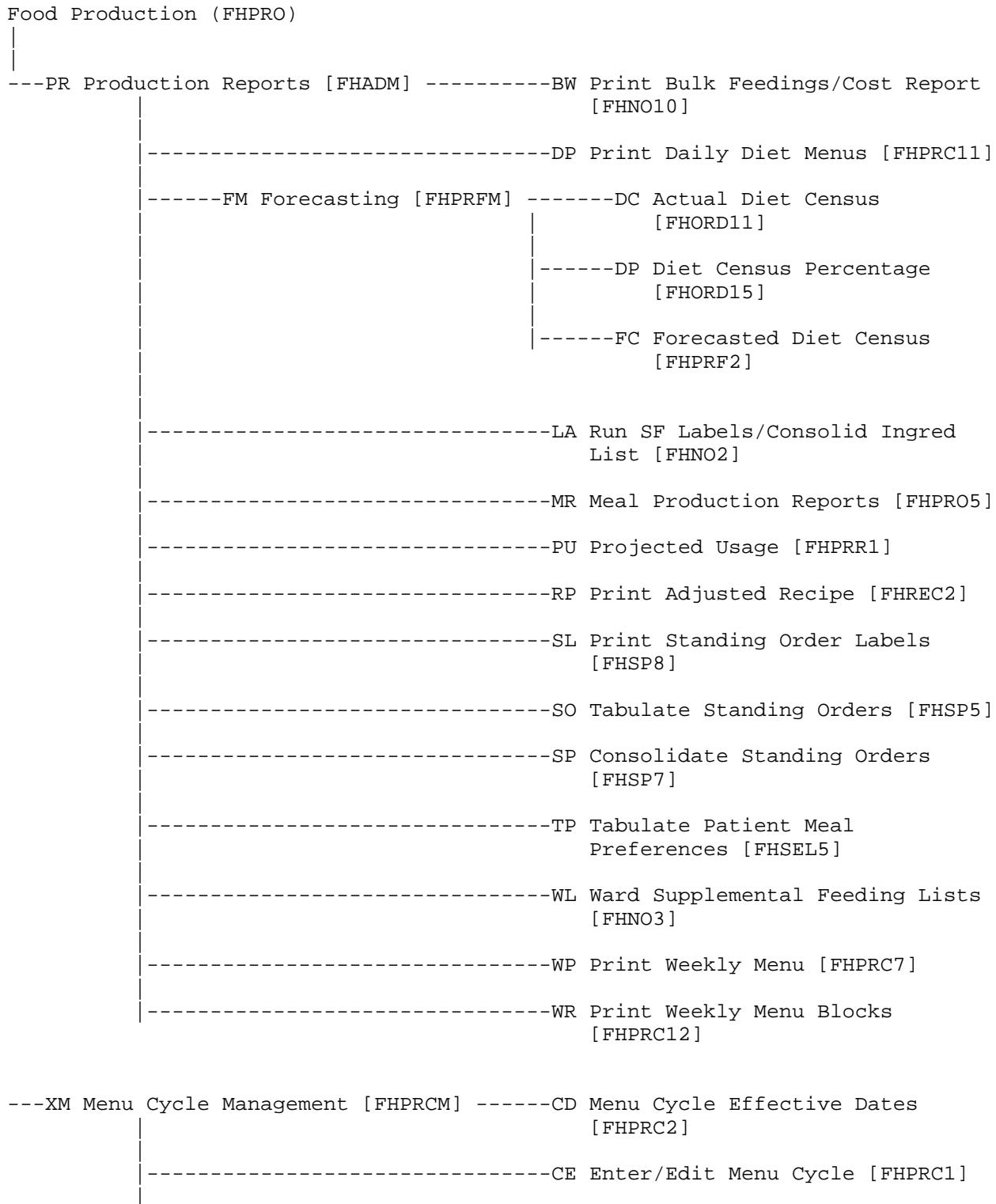
---SO Standing Orders [FHSPM] -----IN Standing Order Inquiry [FHSP4]
                                         |
                                         -----SC Consolidate Standing Orders
                                         [FHSP7]
                                         |
                                         -----SE Enter/Edit Standing Orders
                                         [FHSP3]
                                         |
                                         -----SL Print Standing Order Labels
                                         [FHSP8]
                                         |
                                         -----TS Tabulate Standing Orders [FHSP5]

---TF Tickler File [FHCTF] -----CL Clear Tickler File Entries
                                         [FHCTF2]
                                         |
                                         -----DI Display Tickler File [FHCTF1]
                                         |
                                         -----EN Enter Tickler File Item [FHCTF3]
```

Exported Menu Structure

Diagram of Menu: FHADM

```
Production Reports (FHADM)
|
|-----BW Print Bulk Feedings/Cost Report [FHNO10]
|
|-----DP Print Daily Diet Menus [FHPRC11]
|
---FM Forecasting [FHPRFM] -----DC Actual Diet Census [FHORD11]
|
|-----DP Diet Census Percentage [FHORD15]
|
|-----FC Forecasted Diet Census [FHPRF2]
|
|
|-----LA Run SF Labels/Consolid Ingred List [FHNO2]
|
|-----MR Meal Production Reports [FHPRO5]
|
|-----PU Projected Usage [FHPRR1]
|
|-----RP Print Adjusted Recipe [FHREC2]
|
|-----SL Print Standing Order Labels [FHSP8]
|
|-----SO Tabulate Standing Orders [FHSP5]
|
|-----SP Consolidate Standing Orders [FHSP7]
|
|-----TP Tabulate Patient Meal Preferences [FHSEL5]
|
|-----WL Ward Supplemental Feeding Lists [FHNO3]
|
|-----WP Print Weekly Menu [FHPRC7]
|
|-----WR Print Weekly Menu Blocks [FHPRC12]
```

Diagram of Menu: FHPRO

Exported Menu Structure

```
|-----CL List Menu Cycle [FHPRC8]
|-----CQ Menu Cycle Query [FHPRC3]
|-----CR Input Recipe Menu [FHPRC14]
|-----DM Display Meal Analysis [FHPRC13]
|-----DP Print Daily Diet Menus [FHPRC11]
|-----HE Enter/Edit Holiday Meals
|           [FHPRC5]
|-----ME Enter/Edit Meals [FHPRC4]
|-----ML List Meal [FHPRC6]
|-----MP Edit Meal Production Diets
|           [FHPRC9]
|-----WP Print Weekly Menu [FHPRC7]
|-----WR Print Weekly Menu Blocks
|           [FHPRC12]

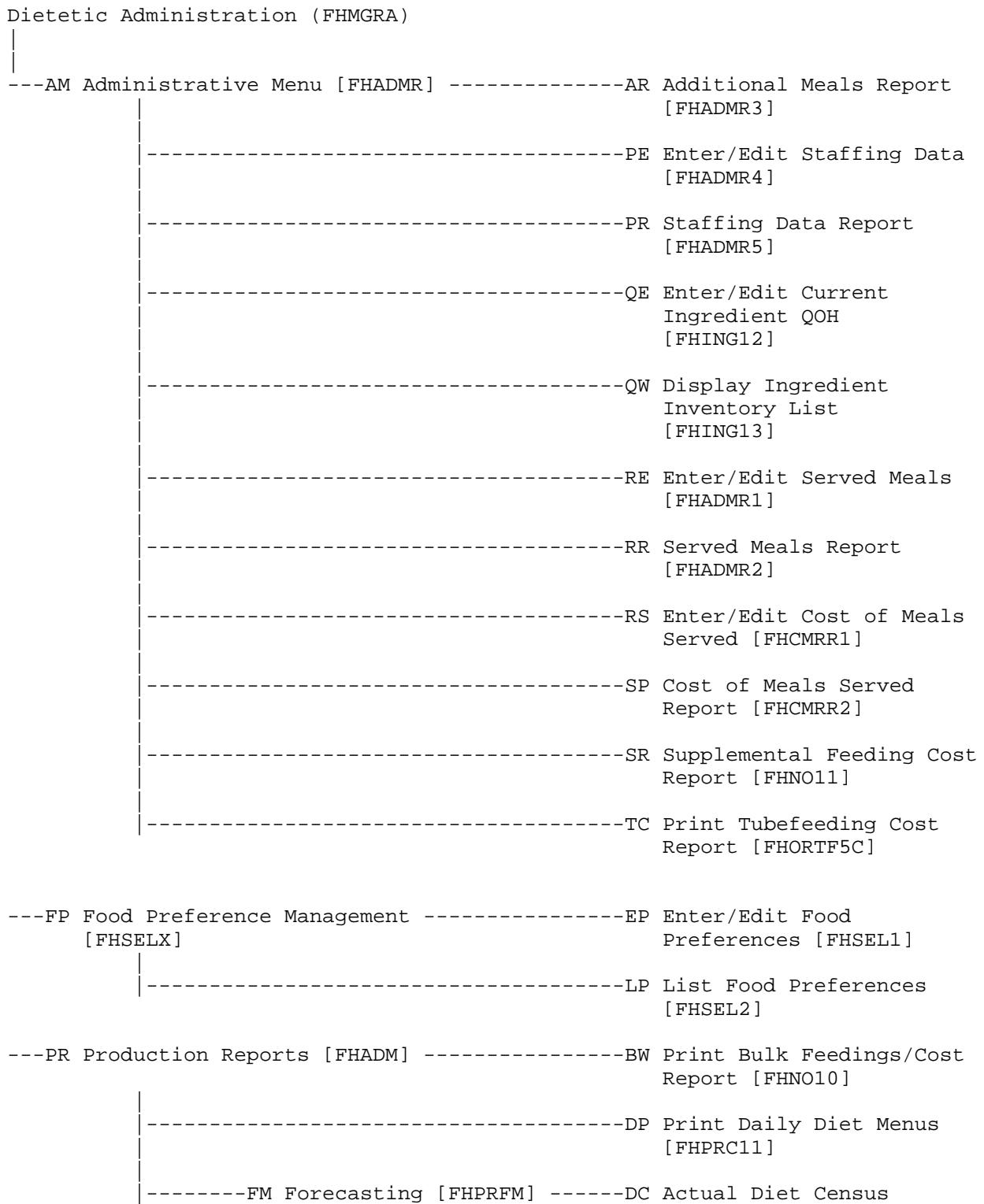
---XR Recipe Management [FHRECM] -----CE Enter/Edit Recipe Categories
|           [FHREC4]
|-----CL List Recipe Categories [FHREC5]
|-----EE Enter/Edit Equipment [FHREC8]
|-----EL List Equipment [FHREC9]
|-----NA Analyze All Recipes [FHREC11]
|-----ND Display Recipe Analysis
|           [FHREC12]
|-----NL Display Analyzed Recipes List
|           [FHREC13]
|-----PE Enter/Edit Preparation Areas
|           [FHING9]
|-----PL List Preparation Areas [FHING10]
|-----RC Re-cost Recipes [FHREC10]
|-----RE Enter/Edit Recipes [FHREC1]
|-----RL List Recipes [FHREC3]
|-----RP Print Adjusted Recipe [FHREC2]
|-----RU List Recipe Usage in
|           Meals/Cycles [FHPRC10]
```

Exported Menu Structure

```
|-----SE Enter/Edit Serving Utensils  
|-----[FHREC6]  
|-----SL List Serving Utensils [FHREC7]
```

Exported Menu Structure

Diagram of Menu: FHMGRA



Exported Menu Structure

```
|-----[ FHORD11 ]  
|-----DP Diet Census Percentage  
|-----[ FHORD15 ]  
|-----FC Forecasted Diet Census  
|-----[ FHPRF2 ]  
-----LA Run SF Labels/Consolid  
Ingre List [ FHNO2 ]  
-----MR Meal Production Reports  
[ FHPRO5 ]  
-----PU Projected Usage [ FHPRR1 ]  
-----RP Print Adjusted Recipe  
[ FHREC2 ]  
-----SL Print Standing Order  
Labels [ FHSP8 ]  
-----SO Tabulate Standing Orders  
[ FHSP5 ]  
-----SP Consolidate Standing  
Orders [ FHSP7 ]  
-----TP Tabulate Patient Meal  
Preferences [ FHSEL5 ]  
-----WL Ward Supplemental Feeding  
Lists [ FHNO3 ]  
-----WP Print Weekly Menu [ FHPRC7 ]  
-----WR Print Weekly Menu Blocks  
[ FHPRC12 ]  
---SO Standing Order Management [ FHSPX ] -----LS List Standing Order File  
[ FHSP2 ]  
-----SE Enter/Edit Standing Order  
File [ FHSP1 ]  
---XF File Manager [ FHFILEM ] -----FD File Dictionaries [ FHFIL4 ]  
-----IE Inquire to Files [ FHFIL3 ]  
-----PE Print File Entries  
[ FHFIL1 ]  
-----SE Search File Entries  
[ FHFIL2 ]
```

Exported Menu Structure

```
---XI Ingredient Management [FHINGM] -----IE Enter/Edit Ingredients  
[FHING3]  
-----IN List Ingredients -  
Nutrient Data [FHING52]  
-----IP List Ingredients -  
Purchasing Data  
[FHING51]  
-----IR List Ingredients - Recipe  
[FHING5]  
-----LE Enter/Edit Storage  
Locations Data [FHING4]  
-----LL List Storage Locations  
[FHING8]  
-----QE Enter/Edit Current  
Ingredient QOH [FHING12]  
-----QW Display Ingredient  
Inventory List [FHING13]  
-----RL List Recipes Containing an  
Ingredient [FHING11]  
-----UE Enter/Edit Units [FHING1]  
-----UL List Units [FHING6]  
-----VE Enter/Edit Vendor File  
[FHING2]  
-----VL List Vendors [FHING7]  
  
---XM Menu Cycle Management [FHPRCM] -----CD Menu Cycle Effective Dates  
[FHPRC2]  
-----CE Enter/Edit Menu Cycle  
[FHPRC1]  
-----CL List Menu Cycle [FHPRC8]  
-----CQ Menu Cycle Query [FHPRC3]  
-----CR Input Recipe Menu  
[FHPRC14]  
-----DM Display Meal Analysis  
[FHPRC13]  
-----DP Print Daily Diet Menus  
[FHPRC11]  
-----HE Enter/Edit Holiday Meals
```

Exported Menu Structure

```
[ FHPRC5 ]  
-----ME Enter/Edit Meals [FHPRC4]  
-----ML List Meal [FHPRC6]  
-----MP Edit Meal Production Diets  
[FHPRC9]  
-----WP Print Weekly Menu [FHPRC7]  
-----WR Print Weekly Menu Blocks  
[FHPRC12]  
  
---XP Production Management [FHPROM] -----DP List Production Diet  
Percentages [FHPRF4]  
-----OE Enter/Edit Other Meals  
[FHPRF5]  
-----OL List Other Meals [FHPRF6]  
-----PE Enter/Edit Production  
Diets [FHPRO3]  
-----PL List Production Diets  
[FHPRO4]  
-----PP Enter/Edit Production Diet  
Percentages [FHPRF1]  
-----SL List Production/Service/  
Communication  
Facilities [FHPRO10]  
  
-----TM Tray Tickets/Diet Cards -----CE Enter/Edit Recipe  
Management [FHMTKMM] Categories [FHREC4]  
-----CL List Recipe Categories  
[FHREC5]  
-----DP Enter/Edit Diet Patterns  
[FHMTKS]  
-----LP List Diet Patterns  
[FHMTKT]  
-----ME Enter/Edit Meals [FHPRC4]  
-----ML List Meal [FHPRC6]  
-----PD Print Diet Cards [FHDCRP]  
-----PT Print Tray Tickets  
[FHMTKP]
```

Exported Menu Structure

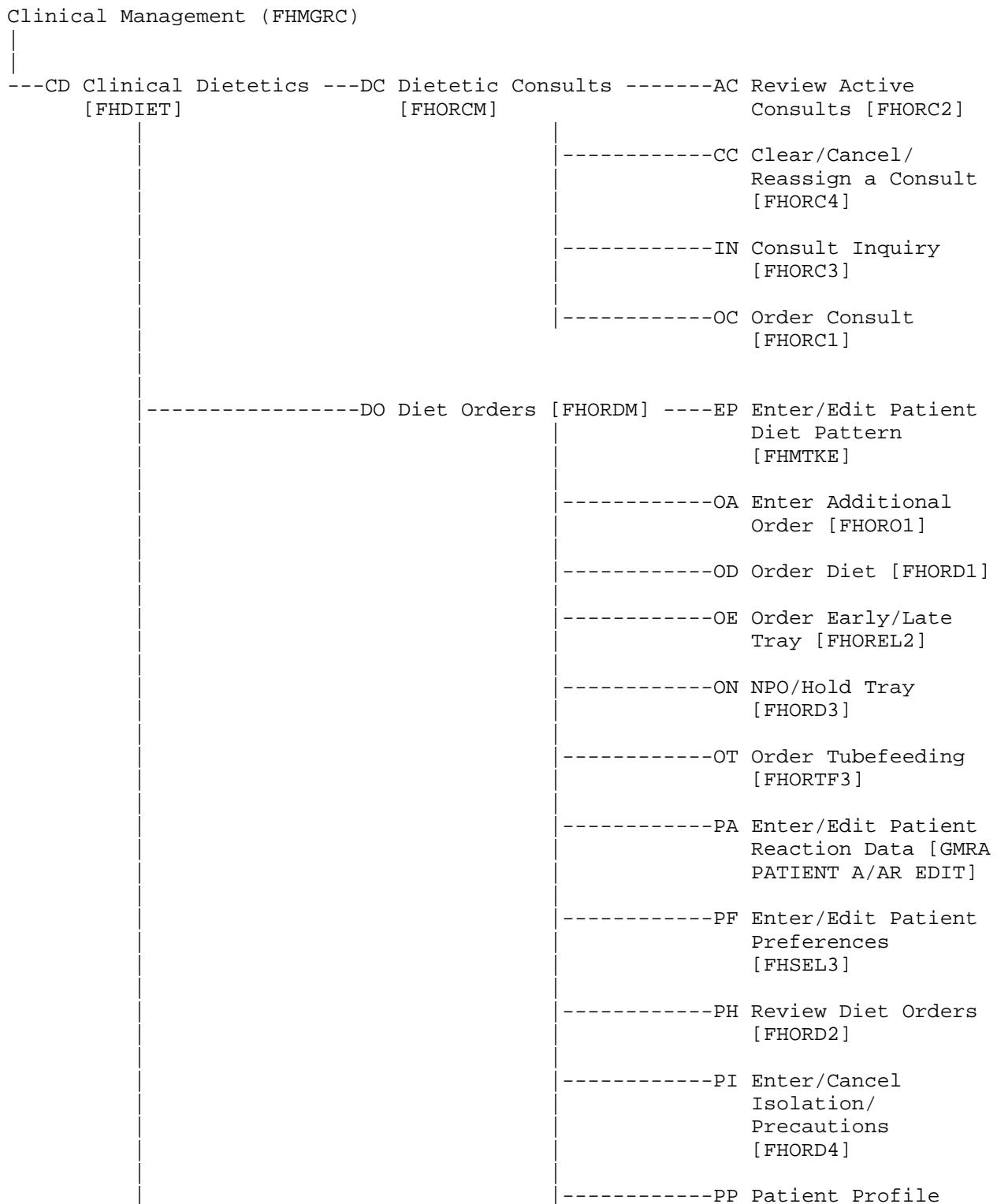
```
|-----WL List Dietetic Wards  
[FHPRO6]  
  
---XR Recipe Management [FHRECM] -----CE Enter/Edit Recipe  
Categories [FHREC4]  
|-----CL List Recipe Categories  
[FHREC5]  
|-----EE Enter/Edit Equipment  
[FHREC8]  
|-----EL List Equipment [FHREC9]  
|-----NA Analyze All Recipes  
[FHREC11]  
|-----ND Display Recipe Analysis  
[FHREC12]  
|-----NL Display Analyzed Recipes  
List [FHREC13]  
|-----PE Enter/Edit Preparation  
Areas [FHING9]  
|-----PL List Preparation Areas  
[FHING10]  
|-----RC Re-cost Recipes [FHREC10]  
|-----RE Enter/Edit Recipes  
[FHREC1]  
|-----RL List Recipes [FHREC3]  
|-----RP Print Adjusted Recipe  
[FHREC2]  
|-----RU List Recipe Usage in  
Meals/Cycles [FHPRC10]  
|-----SE Enter/Edit Serving  
Utensils [FHREC6]  
|-----SL List Serving Utensils  
[FHREC7]  
  
---XX Annual Report Management [FHADRR] -----EA Enter/Edit Facility  
Profile [FHADR1]  
|-----EB Enter/Edit Hospital  
Outpatient  
Visits [FHADR3]
```

Exported Menu Structure

```
|-----EC Enter/Edit Type of Service  
| [FHADR2 ]  
  
|-----ED Enter/Edit Staffing FTEE  
| [FHADR4 ]  
  
|-----EE Enter the Snapshot date  
| for Modified Diets  
| [FHADR5 ]  
  
|-----EF Enter/Edit Cost Per Diem  
| [FHADR6 ]  
  
|-----EG Enter/Edit Dietetic  
| Satisfaction  
| Survey [FHADR7 ]  
  
|-----EH Enter/Edit Dietetic  
| Service  
| Equipment [FHADR8 ]  
  
|-----EI Enter/Edit Nutritive  
| Analysis Average [FHADR9 ]  
  
|-----PR Print Annual Dietetic  
| Report [FHADRP ]  
  
|-----PU Purge Old Annual Dietetic  
| Data [FHADRS ]
```

Exported Menu Structure

Diagram of Menu: FHMGRG



Exported Menu Structure

```
[ FHORD9 ]  
-----XE Cancel Early/Late  
Tray [FHOREL3]  
-----XN Cancel NPO/Withhold  
Order [FHORD12]  
-----XT Cancel Tubefeeding  
Order [FHORTF4]  
  
-----DR Dietetic Lists/Reports --BL Birthday List  
[FHCDLST] [FHBIR]  
-----DA Diet Activity  
Report/Labels  
[FHORD13]  
-----DC Actual Diet Census  
[FHORD11]  
-----DR Reprint Diet  
Labels [FHORD14]  
-----EL List Early/Late  
Trays [FHOREL1]  
-----IL Isolation/  
Precaution Patient  
List [FHORD41]  
-----LA Run SF Labels/  
Consolid Ingred  
List [FHNO2]  
-----NL NPO/Pass List  
[FHORD5]  
-----PE List Patient Events  
[FHORX2]  
-----SL Print Standing  
Order  
Labels [FHSP8]  
-----SO Tabulate Standing  
Orders [FHSP5]  
-----SP Consolidate  
Standing  
Orders [FHSP7]  
-----TR Tubefeeding  
Reports/  
Labels  
[FHORTFM]
```

Exported Menu Structure

```
-----TF Preparation/
Delivery of
Tubefeeding
[FHORTF5]

-----TL Print
Tubefeeding
Labels
[FHORTF5L]

-----TP Tubefeeding
Preparation
[FHORTF5P]

-----TX Tubefeeding
Pull Lists
[FHORT5S]

-----TT Tray Tickets
[FHMTKM]
    |
    -----HP History
of Diet
Patterns
[FHMTKH]

-----LD List
Inpats
With
No/prev
Patterns
[FHMTKN]

-----PD Print
Diet
Cards
[FHDCRP]
    |
    -----PT Print
Tray
Tickets
[FHMTKP]

-----WD Ward Diet
Order List
[FHORD10]

-----WL Ward Supplemental
Feeding Lists [FHNO3]

-----WP Print Bulk
Feedings/Cost Report
[FHNO10]
```

Exported Menu Structure

```
-----EA Energy/Nutrient -----AA Abbreviated Analysis  
Analysis [FHNUM] [FHNU5]  
-----AN Print Analysis (32  
Nutrients) [FHNU2]  
-----MD Input Menu Data [FHNU4]  
-----NI Print Nutrient Intake  
Study (10 Nutrients)  
[FHNU8]  
-----PM View/Print Menu  
[FHNU1P]  
-----VM View Meal [FHNU1D]  
  
-----FP Food Preferences -----DP Display Patient  
[FHSELM] Preferences [FHSEL4]  
-----EP Enter/Edit Patient  
Preferences [FHSEL3]  
-----TP Tabulate Patient Meal  
Preferences [FHSEL5]  
  
-----LE List Encounters  
[FPHASE7]  
-----NM Nutrition Patient -----DA Display Assessment  
Management [FHASCM] [FHASMR]  
-----EA Enter Assessment  
[FHASM1]  
-----EE Enter/Edit Encounter  
[FPHASE3]  
-----ES Enter Patient Nutrition  
Status [FPHASE6]  
-----LE List Encounters  
[FPHASE7]  
-----LL List Inpats By  
Nutrition Status Level  
[FHASNR4]  
-----PE Patient Encounter  
Inquiry [FPHASE5]  
-----PH Print Pat's Nutrition  
Status History  
[FHASNR3]
```

Exported Menu Structure

```
|-----PP Print Nutrition Profile  
[FHASP1]  
  
|-----PS Print Screening Report  
[FHASXR]  
  
-----PE List Patient Events  
[FHORX2]  
  
-----PM Patient Movements  
[FHPATM]  
  
-----SF Supplemental Feedings -----IN Supplemental Feeding  
[FHNOM] Inquiry [FHNO1I]  
|-----LA Run SF Labels/Consolidated  
Ingrid List [FHNO2]  
  
|-----SF Change Patient  
Supplemental Feedings  
[FHNO1E]  
  
|-----SH History of Supplemental  
Feedings [FHNO12]  
  
|-----WL Ward Supplemental  
Feeding Lists [FHNO3]  
  
|-----WP Print Bulk  
Feedings/Cost Report  
[FHNO10]  
  
|-----WR Review Bulk Ward  
Feedings [FHNO9]  
  
-----SO Standing Orders [FHSPM] -----IN Standing Order Inquiry  
[FHSP4]  
|-----SC Consolidate Standing  
Orders [FHSP7]  
|-----SE Enter/Edit Standing  
Orders [FHSP3]  
|-----SL Print Standing Order  
Labels [FHSP8]  
|-----TS Tabulate Standing  
Orders [FHSP5]  
  
-----TF Tickler File [FHCTF] -----CL Clear Tickler File  
Entries [FHCTF2]  
|-----DI Display Tickler File
```

Exported Menu Structure

```
[ FHCTF1 ]
|-----EN Enter Tickler File Item
|-----[ FHCTF3 ]

-----DM Patient Data Log
[ FHDMP ]

---XC Clinical Management ---CR Clinical -----NA Nutrition Status
    Menu [FHASCX]           Management          Average [FHASN5]
                                Report [FHASNRR]
|-----NS Nutrition Status
|-----Summary [FHASN]
|-----NZ Nutrition Status Matrix
|-----[FHASN2]
|-----SE Encounter Statistics
|-----[FHASE4]

-----EC Enter/Edit Nutrition
|-----Classifications
|-----[FHASC1]

-----EP Enter/Edit Nutrition
|-----Plans [FHASC9]

-----ET Enter/Edit Encounter
|-----Types [FHASE1]

-----LC List Nutrition
|-----Classifications
|-----[FHASC2]

-----LP List Nutrition Plans
[ FHASC10 ]

-----LS List Nutrition Statuses
[ FHASC4 ]

-----LT List Encounter Types
[ FHASE2 ]

-----NM Nutrition Patient
|-----Management [FHASCM]

-----XD Display Selected Drug
|-----Classifications
|-----[FHSYP2]

-----XL Display Selected Lab
|-----Tests [FHSYP1]
```

Exported Menu Structure

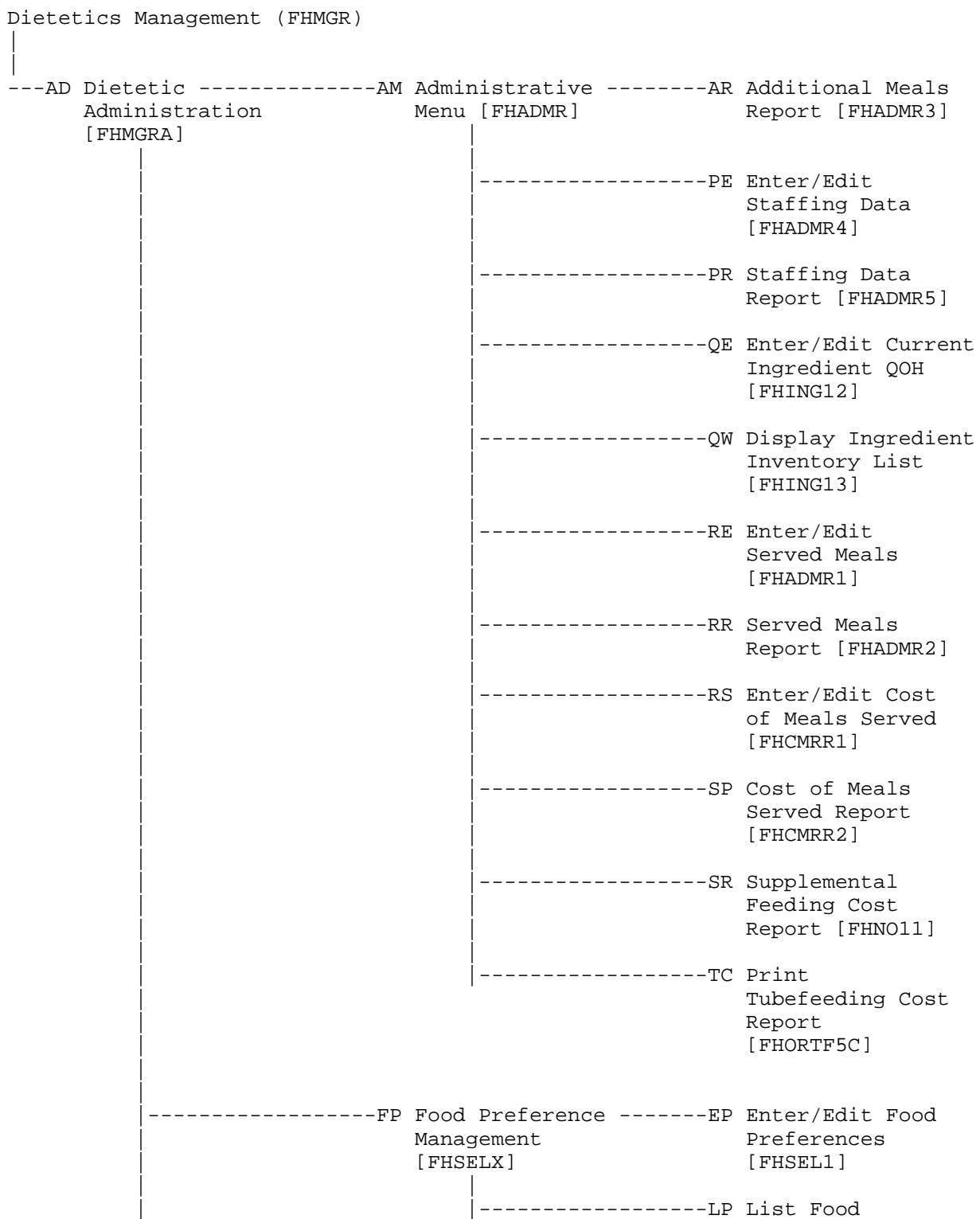
```
|-----XP Enter/Edit Clinical  
| Site Parameters  
| [FHASC8 ]  
  
---XD Diet Order Management -----DE Enter/Edit Diets  
[FHORDX] [FHORD6]  
|-----DL List Diets [FHORD7]  
  
|-----IE Enter/Edit  
| Isolation/Precaution  
| Types [FHORI1]  
  
|-----IL List  
| Isolation/Precaution  
| Types [FHORI2]  
  
|-----TE Enter/Edit Tubefeeding  
| Products [FHORTF1]  
  
|-----TL List Tubefeeding  
| Products [FHORTF2]  
  
---XE Energy/Nutrient -----ML List User Menus [FHNU3]  
Management [FHNUX]  
|-----NE Enter/Edit Nutrients  
| [FHNU6]  
  
|-----NG Enter Nutrients (Common  
| Units) [FHNU12]  
  
|-----NL List Nutrient File  
| [FHNU7]  
  
|-----RE Recipe Analysis  
| [FHNU11]  
  
|-----RL List RDA Values [FHNU9]  
  
---XF File Manager [FHFILEM] -----FD File Dictionaries  
[FHFILE4]  
|-----IE Inquire to Files  
| [FHFILE3]  
  
|-----PE Print File Entries  
| [FHFILE1]  
  
|-----SE Search File Entries  
| [FHFILE2]  
  
---XM Consult Management -----CE Enter/Edit Consult
```

Exported Menu Structure

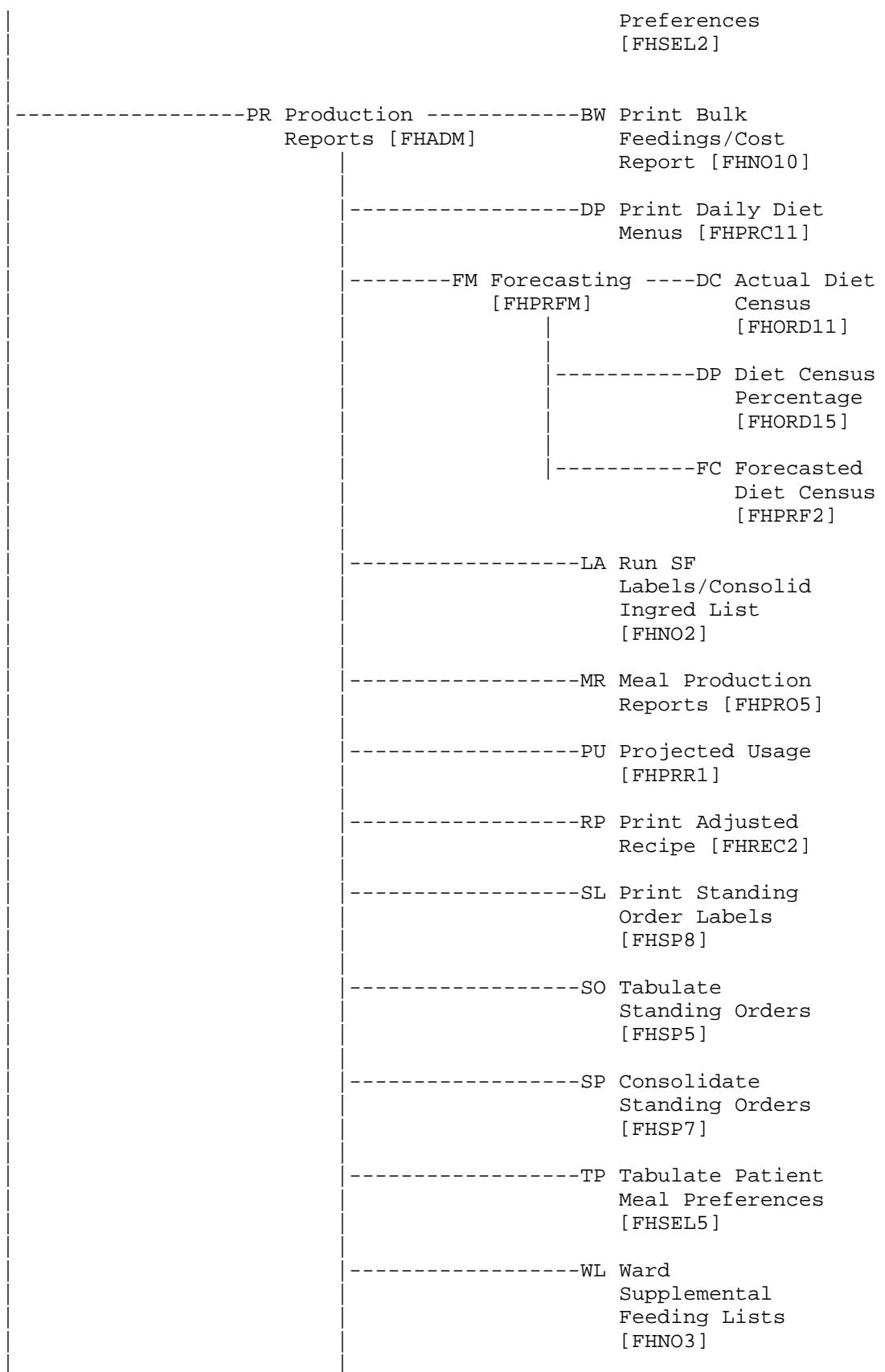
```
[ FHORCX ]                                         Types [ FHORC7 ]  
-----CL List Consult Types  
[ FHORC8 ]  
-----CR Re-Assign Active  
Consults [ FHORC9 ]  
-----CX Consult Statistics  
[ FHORC10 ]  
-----WE Enter/Edit Ward  
Assignments [ FHORC5 ]  
-----WL List Ward Assignments  
[ FHORC6 ]  
---XS Supplemental Feeding -----BE Enter/Edit Bulk Ward  
Management [ FHNOX ]                           Feedings [ FHNO8 ]  
-----ME Enter/Edit Supplemental  
Feeding Menus [ FHNO6 ]  
-----ML List Supplemental  
Feeding Menus [ FHNO7 ]  
-----SE Enter/Edit Supplemental  
Feedings [ FHNO4 ]  
-----SL List Supplemental  
Feedings [ FHNO5 ]
```

Exported Menu Structure

Diagram of Menu: FHMGR



Exported Menu Structure



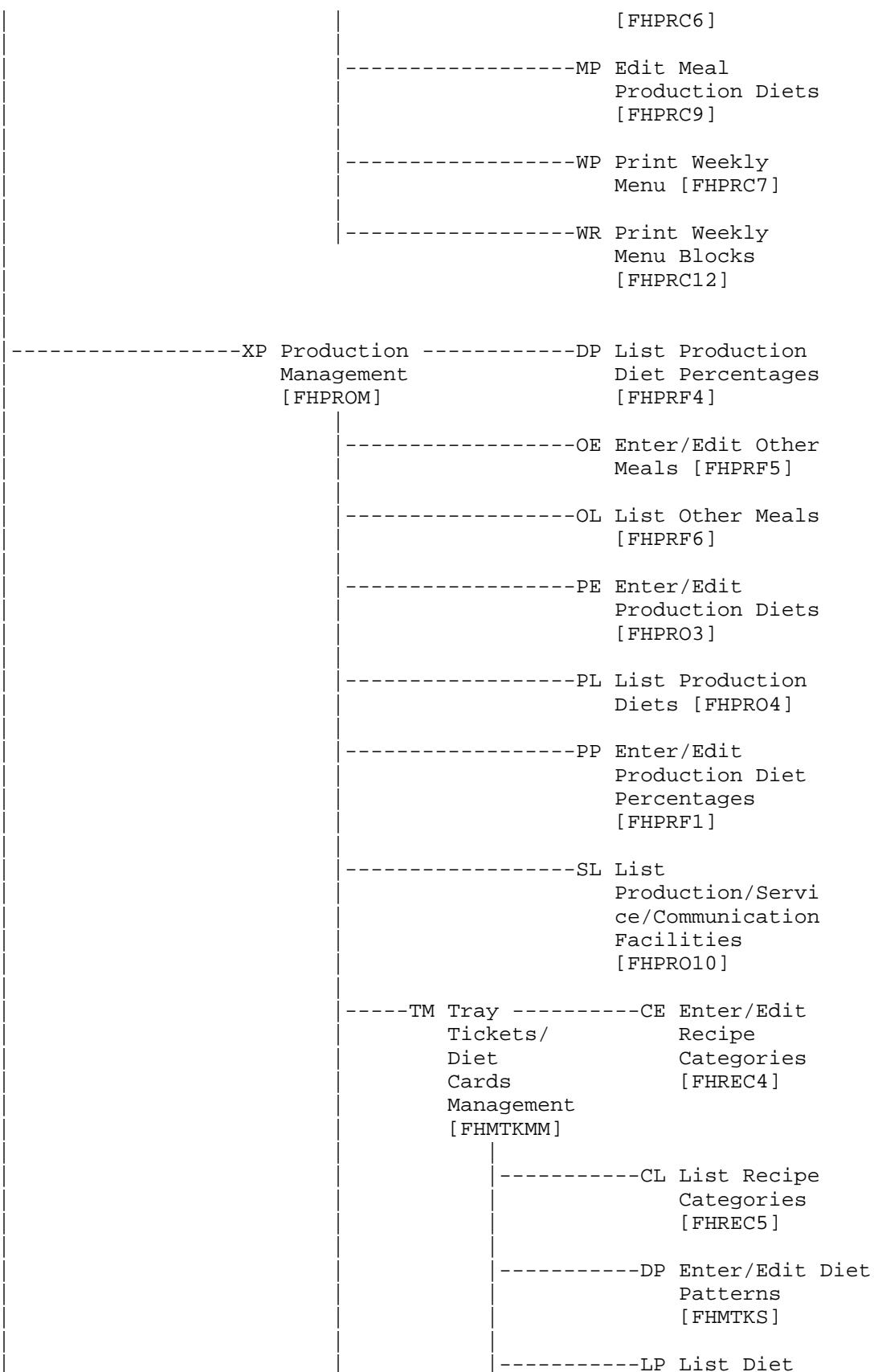
Exported Menu Structure

```
|-----WP Print Weekly  
|-----Menu [FHPRC7]  
  
|-----WR Print Weekly  
|-----Menu Blocks  
|-----[FHPRC12]  
  
-----SO Standing Order -----LS List Standing  
Management Order File  
[FHSPX] [FHSP2]  
|-----SE Enter/Edit  
|-----Standing Order  
File [FHSP1]  
  
-----XF File Manager -----FD File  
[FHFILM] Dictionaries  
[FHFIL4]  
|-----IE Inquire to Files  
[FHFIL3]  
|-----PE Print File  
Entries [FHFIL1]  
|-----SE Search File  
Entries [FHFIL2]  
  
-----XI Ingredient -----IE Enter/Edit  
Management Ingredients  
[FHINGM] [FHING3]  
|-----IN List Ingredients  
- Nutrient Data  
[FHING52]  
|-----IP List Ingredients  
- Purchasing  
Data [FHING51]  
|-----IR List Ingredients  
- Recipe Data  
[FHING5]  
|-----LE Enter/Edit  
Storage  
Locations  
[FHING4]  
|-----LL List Storage  
Locations  
[FHING8]  
|-----QE Enter/Edit  
Current
```

Exported Menu Structure

```
          Ingredient QOH  
          [FHING12]  
  
          -----QW Display  
          Ingredient  
          Inventory List  
          [FHING13]  
  
          -----RL List Recipes  
          Containing an  
          Ingredient  
          [FHING11]  
  
          -----UE Enter/Edit Units  
          [FHING1]  
  
          -----UL List Units  
          [FHING6]  
  
          -----VE Enter/Edit  
          Vendor File  
          [FHING2]  
  
          -----VL List Vendors  
          [FHING7]  
  
          -----XM Menu Cycle -----CD Menu Cycle  
          Management Effective Dates  
          [FHPRCM] [FHPRC2]  
          -----CE Enter/Edit Menu  
          Cycle [FHPRC1]  
          -----CL List Menu Cycle  
          [FHPRC8]  
          -----CQ Menu Cycle Query  
          [FHPRC3]  
          -----CR Input Recipe  
          Menu [FHPRC14]  
          -----DM Display Meal  
          Analysis  
          [FHPRC13]  
          -----DP Print Daily Diet  
          Menus [FHPRC11]  
          -----HE Enter/Edit  
          Holiday Meals  
          [FHPRC5]  
          -----ME Enter/Edit Meals  
          [FHPRC4]  
          -----ML List Meal
```

Exported Menu Structure



Exported Menu Structure

```
          Patterns  
          [ FHMTKT ]  
  
          -----ME Enter/Edit Meals  
          [ FHPRC4 ]  
  
          -----ML List Meal  
          [ FHPRC6 ]  
  
          -----PD Print Diet Cards  
          [ FHDCRP ]  
  
          -----PT Print Tray  
          Tickets [ FHMTKP ]  
  
          -----WL List Dietetic  
          Wards [ FHPRO6 ]  
  
          -----XR Recipe -----CE Enter/Edit  
          Management          Recipe  
          [ FHRECM ]          Categories  
                               [ FHREC4 ]  
  
          -----CL List Recipe  
          Categories  
          [ FHREC5 ]  
  
          -----EE Enter/Edit  
          Equipment  
          [ FHREC8 ]  
  
          -----EL List Equipment  
          [ FHREC9 ]  
  
          -----NA Analyze All  
          Recipes  
          [ FHREC11 ]  
  
          -----ND Display Recipe  
          Analysis  
          [ FHREC12 ]  
  
          -----NL Display Analyzed  
          Recipes List  
          [ FHREC13 ]  
  
          -----PE Enter/Edit  
          Preparation  
          Areas [ FHING9 ]  
  
          -----PL List Preparation  
          Areas [ FHING10 ]  
  
          -----RC Re-cost Recipes  
          [ FHREC10 ]
```

Exported Menu Structure

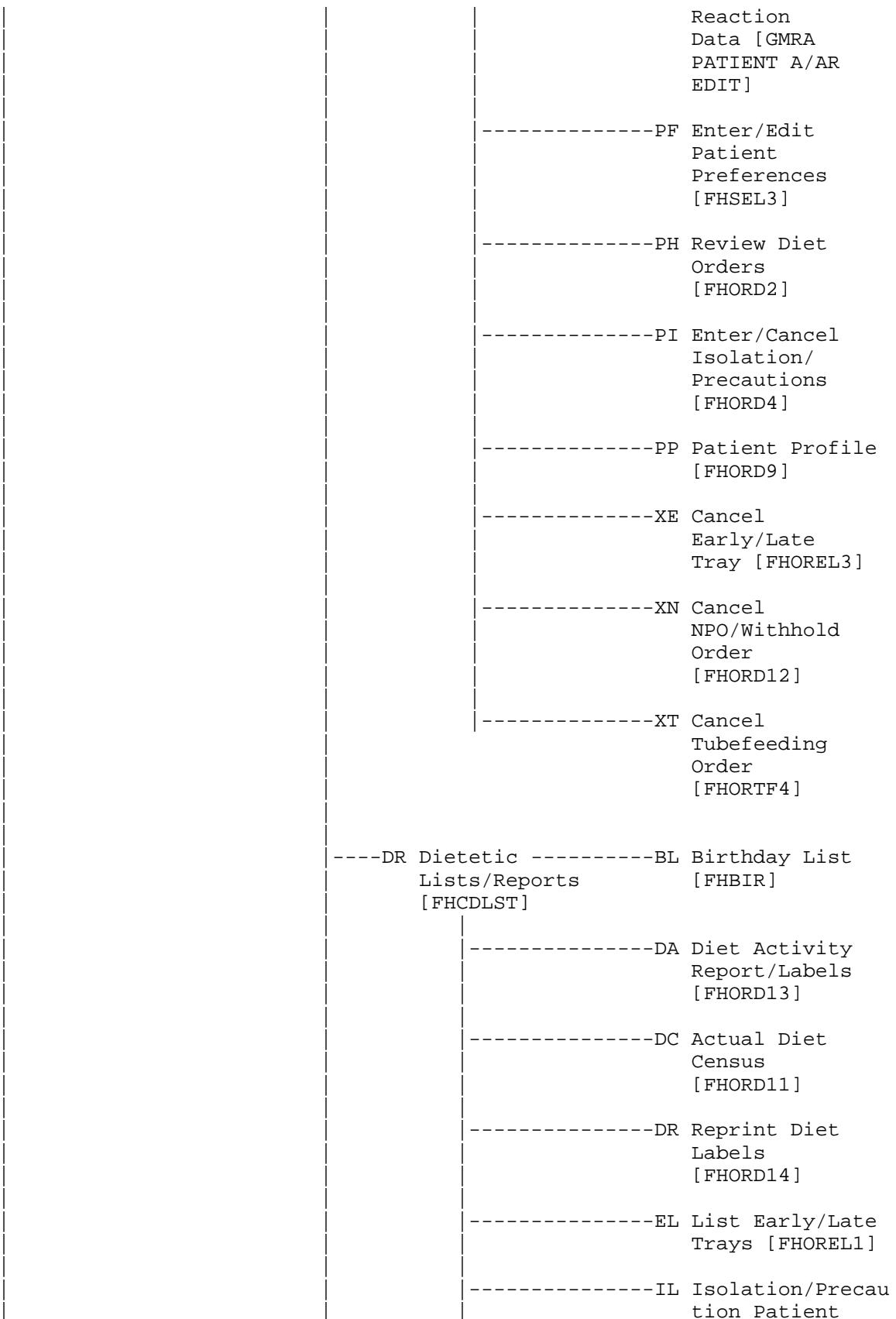
```
|-----RE Enter/Edit  
|      Recipes [FHREC1]  
  
|-----RL List Recipes  
|      [FHREC3]  
  
|-----RP Print Adjusted  
|      Recipe [FHREC2]  
  
|-----RU List Recipe  
|      Usage in  
|      Meals/Cycles  
|      [FHPRC10]  
  
|-----SE Enter/Edit  
|      Serving Utensils  
|      [FHREC6]  
  
|-----SL List Serving  
|      Utensils  
|      [FHREC7]  
  
-----XX Annual Report -----EA Enter/Edit  
Management          Facility Profile  
[FHADDR]           [FHADR1]  
  
-----EB Enter/Edit  
Hospital           Outpatient  
Outpatient          Visits [FHADR3]  
  
-----EC Enter/Edit Type  
of Service          [FHADR2]  
  
-----ED Enter/Edit Staffing FTEE  
[FHADR4]  
  
-----EE Enter the Snapshot date  
for Modified Diets [FHADR5]  
  
-----EF Enter/Edit Cost Per Diem  
[FHADR6]  
  
-----EG Enter/Edit Dietetic Satisfaction Survey [FHADR7]  
  
-----EH Enter/Edit Dietetic Service Equipment [FHADR8]
```

Exported Menu Structure

```
--CM Clinical Management [FHMGRG] -----CD Clinical Dietetics [FHDIET] -----DC Dietetic Consults [FHORCM] -----AC Review Active Consults [FHORC2]
-----CC Clear/Cancel/Reassign a Consult [FHORC4]
-----IN Consult Inquiry [FHORC3]
-----OC Order Consult [FHORC1]

-----DO Diet Orders [FHORDM] -----EP Enter/Edit Patient Diet Pattern [FHMTKE]
-----OA Enter Additional Order [FHORO1]
-----OD Order Diet [FHORD1]
-----OE Order Early/Late Tray [FHOREL2]
-----ON NPO/Hold Tray [FHORD3]
-----OT Order Tubefeeding [FHORTF3]
-----PA Enter/Edit Patient
```

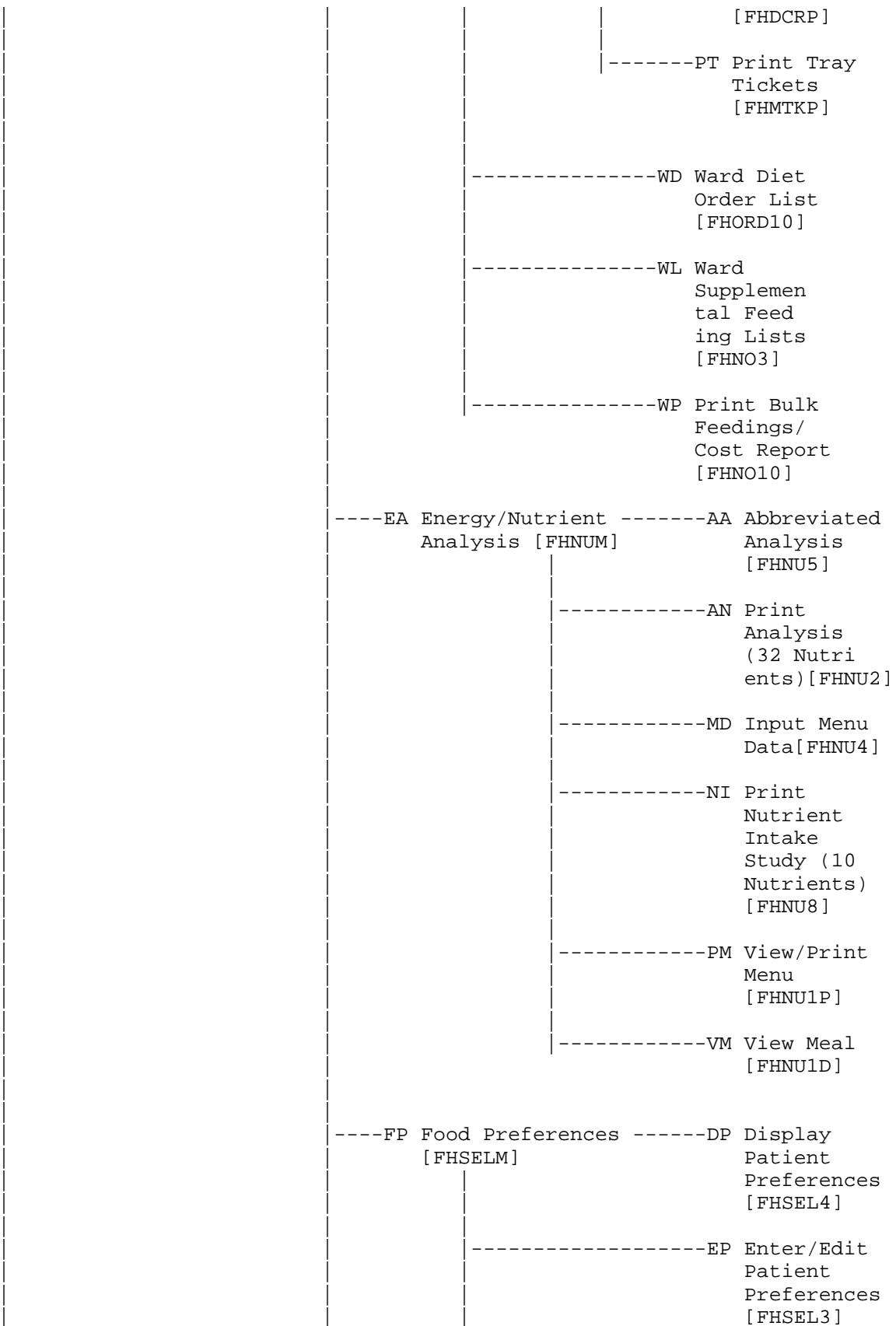
Exported Menu Structure



Exported Menu Structure

```
List [FHORD41]
-----LA Run SF
Labels/Consolid
Ingrd List
[FHNO2]
-----NL NPO/Pass List
[FHORD5]
-----PE List Patient
Events [FHORX2]
-----SL Print Standing
Order Labels
[FHSP8]
-----SO Tabulate
Standing Orders
[FHSP5]
-----SP Consolidate
Standing Orders
[FHSP7]
-----TR Tube -----TF Preparation/
feeding Delivery of
Reports/ Tubefeeding
Labels [FHORTF5]
-----TL Print
Tubefeeding
Labels [FHORTF5L]
-----TP Tubefeeding
Preparation [FHORTF5P]
-----TX Tubefeeding
Pull Lists [FHORT5S]
-----TT Tray -----HP History of
Tickets Diet
[FHMTKM] Patterns
[FHMTKH]
-----LD List Inpats
With No/prev
Patterns [FHMTKN]
-----PD Print Diet
Cards
```

Exported Menu Structure



Exported Menu Structure

```
-----TP Tabulate
      Patient
      Meal
      Preferences
      [ FHSEL5 ]

-----LE List Encounters
      [ FPHASE7 ]

-----NM Nutrition -----DA Display
      Patient
      Management
      [ FHASMR ]
-----EA Enter
      Assessment
      [ FHASM1 ]

-----EE Enter/Edit
      Encounter
      [ FPHASE3 ]

-----ES Enter
      Patient
      Nutrition
      Status
      [ FPHASE6 ]

-----LE List
      Encounters
      [ FPHASE7 ]

-----LL List Inpats
      By Nutrition
      Status Level
      [ FHASNR4 ]

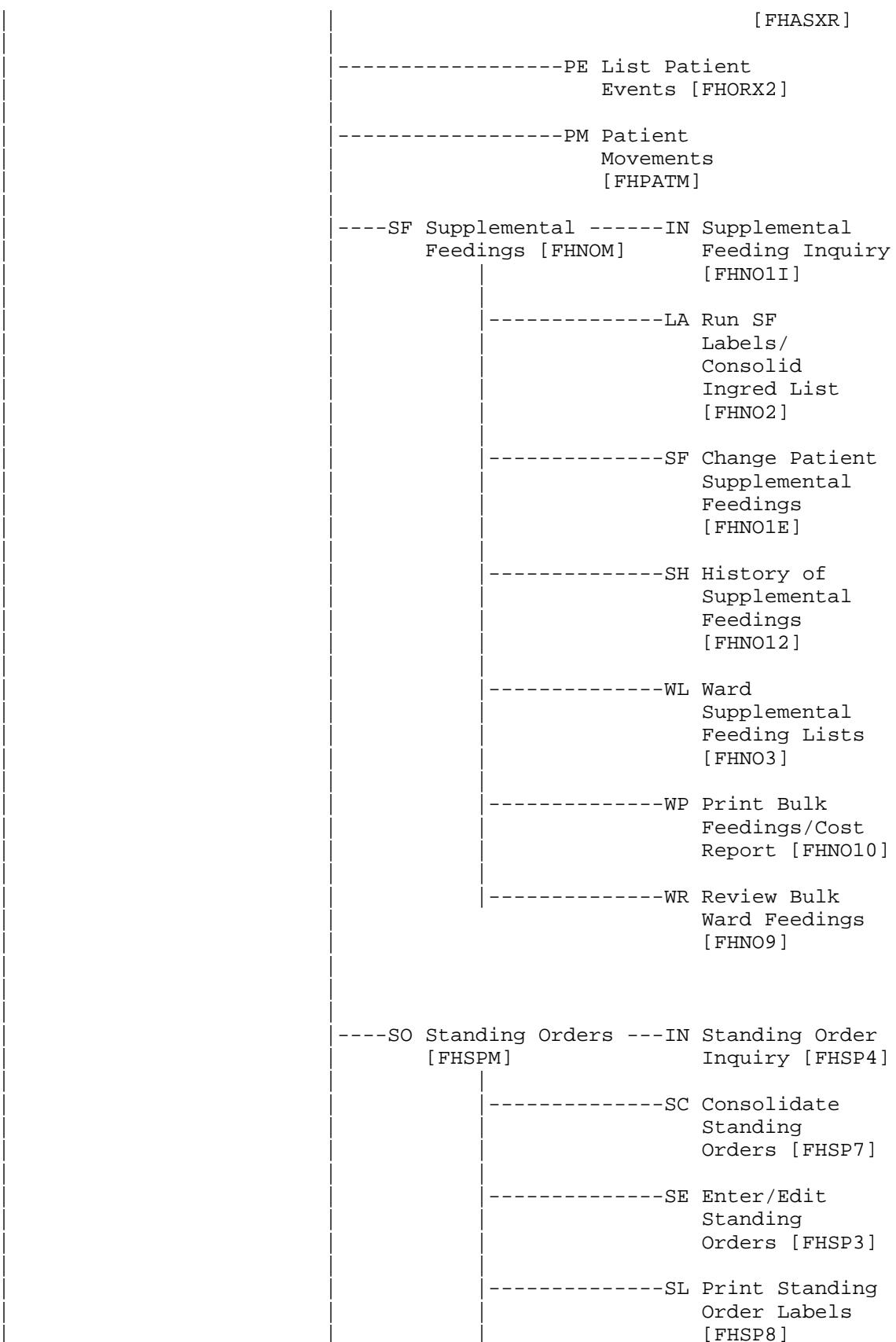
-----PE Patient
      Encounter
      Inquiry
      [ FPHASE5 ]

-----PH Print Pat's
      Nutrition
      Status
      History
      [ FHASNR3 ]

-----PP Print
      Nutrition
      Profile
      [ FHASP1 ]

-----PS Print
      Screening
      Report
```

Exported Menu Structure



Exported Menu Structure

```
-----TS Tabulate  
Standing  
Orders [FHSP5]  
  
----TF Tickler File -----CL Clear Tickler  
[FHCTF] File Entries  
[FHCTF2]  
-----DI Display Tickler  
File [FHCTF1]  
-----EN Enter Tickler  
File Item  
[FHCTF3]  
  
-----DM Patient Data Log  
[FHDMP]  
  
-----XC Clinical -----CR Clinical ---NA Nutrition  
Management Menu Management Status  
[FHASCX] Report Average  
[FHASNRR] [FHASN5]  
-----NS Nutrition  
Status  
Summary  
[FHASNRR]  
-----NZ Nutrition  
Status  
Matrix  
[FHASN2]  
-----SE Encounter  
Statist  
ics  
[FHASE4]  
  
-----EC Enter/Edit  
Nutrition  
Classifications  
[FHASC1]  
-----EP Enter/Edit  
Nutrition Plans  
[FHASC9]  
-----ET Enter/Edit  
Encounter Types  
[FHASE1]  
-----LC List Nutrition  
Classifications
```

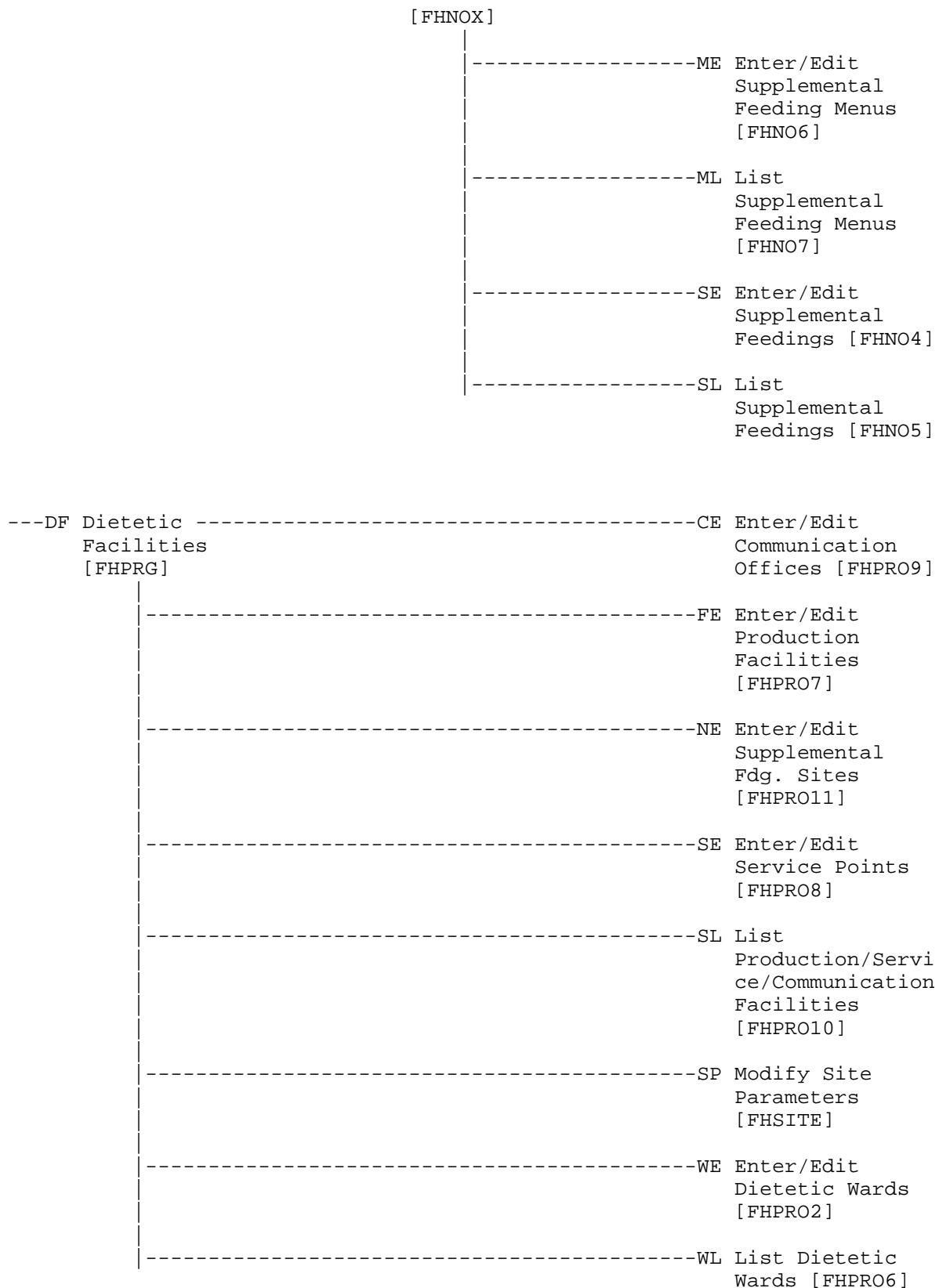
Exported Menu Structure

```
[ FHASC2 ]  
-----LP List Nutrition  
Plans [FHASC10]  
-----LS List Nutrition  
Statuses  
[FHASC4]  
-----LT List Encounter  
Types [FHASe2]  
-----NM Nutrition  
Patient  
Management  
[FHASCM]  
  
-----XD Display Selected  
Drug  
Classifications  
[FHSYP2]  
-----XL Display Selected  
Lab Tests  
[FHSYP1]  
-----XP Enter/Edit  
Clinical Site  
Parameters  
[FHASC8]  
  
-----XD Diet Order -----DE Enter/Edit Diets  
Management  
[FHORDX] -----  
-----DL List Diets  
[FHORD7]  
-----IE Enter/Edit  
Isolation/Precau  
tion Types  
[FHORI1]  
-----IL List  
Isolation/Precau  
tion Types  
[FHORI2]  
-----TE Enter/Edit  
Tubefeeding  
Products  
[FHORTF1]  
-----TL List Tubefeeding  
Products
```

Exported Menu Structure

```
[ FHORTF2 ]  
  
-----XE Energy/Nutrient -----ML List User Menus  
Management [ FHNU3 ]  
[ FHNUX ]  
-----NE Enter/Edit  
Nutrients [ FHNU6 ]  
-----NG Enter Nutrients  
(Common Units) [ FHNU12 ]  
-----NL List Nutrient  
File [ FHNU7 ]  
-----RE Recipe Analysis  
[ FHNU11 ]  
-----RL List RDA Values  
[ FHNU9 ]  
  
-----XF File Manager  
[ FHFILM ]  
  
-----XM Consult -----CE Enter/Edit  
Management Consult Types [ FHORC7 ]  
[ FHORCX ]  
-----CL List Consult  
Types [ FHORC8 ]  
-----CR Re-Assign Active  
Consults [ FHORC9 ]  
-----CX Consult  
Statistics [ FHORC10 ]  
-----WE Enter/Edit Ward  
Assignments [ FHORC5 ]  
-----WL List Ward  
Assignments [ FHORC6 ]  
  
-----XS Supplemental -----BE Enter/Edit Bulk  
Feeding Ward Feedings  
Management [ FHNO8 ]
```

Exported Menu Structure



Exported Menu Structure

```
---SM System -----DF Create Dietetic
Management File entry for
[FHYSYM] all Inpatients
[FHX4]

-----DL Update Patient
Dietetic
Location [FHX5]

-----FP Check File
Pointers [FHX3]

-----PD Purge Dietetic
Data [FHPURGE]

-----RD Recode Diets for
all Inpatients
[FHX2]

-----RI Check Integrity
of Routines
[FHX1]

-----SP Modify Site
Parameters
[FHSITE]

---XF File Manager
[FHFILM]
```

Exported Menu Structure

Diagram of Menu: FHPATP

```
Dietetic Patient Profile (FHPATP)
|
|---DH Review Diet Orders [FHORD2]
|---PP Patient Profile [FHORD9]
```

Diagram of Menu: FHUSR

```
Dietetic User (FHUSR)
|
---AA Abbreviated Analysis [FHNU5]
---DA Display Assessment [FHASMR]
---DH Review Diet Orders [FHORD2]
---PP Patient Profile [FHORD9]
```

Exported Menu Structure

File List

JAN 13, 1995 11:50 PAGE 1

NUMBER	NAME	GLOBAL NAME	DESCRIPTION
<hr/>			
111	DIETS	^FH(111,	Includes data (Merges) This file contains a list of all of the diet modifications allowed by the using facility. Associated with each diet are characteristics such as alternate names, an abbreviated name, whether a clinician is to be bulletined when ordered, and a diet precedence which is used to prevent diet conflicts and as a printing sequence order.
111.1	DIET PATTERNS	^FH(111.1,	This file contains diet patterns. The entries for a specific pattern represent changes from the production diet for this particular pattern.
112	FOOD NUTRIENTS	^FHNU(Includes data (Overwrites) This file contains both standard USDA nutrient data based upon Handbook 456 and Revised Handbook 8 as well as user entered data. The standard data includes common nutrients.
112.2	RDA VALUES	^FH(112.2,	Includes data (Overwrites) This file contains the values of the Recommended Dietary Allowances, 1989. Where ranges were originally specified, the file contains the mid-point. Estimated safe and adequate' values are used where no formal RDA exists.
112.6	USER MENU	^FHUM(This file contains menus of food items, classified by day and meal, which are saved for nutrient analysis.

File List

NUMBER	NAME	GLOBAL NAME	DESCRIPTION
<hr/>			
113	INGREDIENT	^FHING(Includes data (Merges) This file is the master list of ingredients used in preparing recipes. It contains purchasing information, such as stock number and vendor, issuance data such as the issuing unit, and various conversion factors. Nutritive data such as food group, poundage factors, and a pointer to the analogous food nutrient item in File 112 are also included.
113.1	STORAGE LOCATION	^FH(113.1,	This is the file of storage locations where ingredients are stored by the dietetic service. It is primarily used to sort various ingredient pull lists.
113.2	VENDOR	^FH(113.2,	Includes data (Merges) This file contains basic data on the various vendors supplying ingredients to the Dietetic Service. It contains address, telephone numbers and name of contacts.
114	RECIPE	^FH(114,	Includes data (Merges) This file contains all recipes necessary to build meals. Each recipe consists of basic data concerning the recipe, various ingredients, and may also contain embedded recipes.
114.1	RECIPE CATEGORY	^FH(114.1,	Includes data (Merges) This file contains a basic list of categorizations which may be applied to recipes. It is primarily used to sort and/or determine the order in which lists of recipes will print.
114.2	PREPARATION AREA	^FH(114.2,	Includes data (Merges) This file contains a list of areas in which food is prepared. Recipes may be classified by preparation area and this file is used to sort recipes into the various preparation areas as well as determine the order in which various lists will print.

File List

NUMBER	NAME	GLOBAL NAME	DESCRIPTION
<hr/>			
114.3	SERVING UTENSIL	^FH(114.3,	Includes data (Merges) This file contains a list of basic serving utensils. Recipes use this file to indicate the most appropriate serving utensil. The utensil name is printed on various reports for use by serving personnel.
114.4	EQUIPMENT	^FH(114.4,	Includes data (Merges) This file contains a list of basic equipment used in the preparation of recipes. A recipe may point to this list to indicate the primary type of equipment used in the recipe preparation.
115	DIETETICS PATIENT	^FHPT(This file contains all dietetic orders for each admission of a patient. It includes diet orders, consult requests, supplemental feedings, early/late tray requests, and tubefeedings. It also contains any food allergies entered for the patient.
115.2	FOOD PREFERENCES	^FH(115.2,	This file contains the items which can be selected as patient preference items. It contains both items which can be selected, such as coffee or tea, as well as food preferences (such as no liver) which will result in certain recipes being excluded for the patient.
115.3	NUTRITION CLASSIFICATION	^FH(115.3,	This file contains site-specific nutrition classifications used in nutrition assessment and screening.
115.4	NUTRITION STATUS	^FH(115.4,	Includes data (Overwrites) This file contains the four nutrition statuses of the established guidelines that are used in assessment and screening.
115.5	DIETETIC NUTRITION PLAN	^FH(115.5,	This file contains a list of nutrition plan actions which are listed on the Nutrition Screening form.

File List

NUMBER	NAME	GLOBAL NAME	DESCRIPTION

115.6	ENCOUNTER TYPES	^FH(115.6,	Includes data (Merges) This file contains a list of types of dietetic encounters, or events, which are used to account for many of the professional activities of dietetic personnel.
115.7	DIETETIC ENCOUNTERS	^FHEN(This file contains the various dietetic encounters entered by dietetics personnel. It includes patient-related events, such as diet instructions, as well as non-patient-related events such as talks to the community.
116	MENU CYCLE	^FH(116,	A menu cycle consists of some specified number of days each day of which is associated with a breakfast, noon, and evening meal. An effective date determines the start of the cycle and it will repeat until the effective date of another menu cycle begins.
116.1	MEAL	^FH(116.1,	This file contains the various meals served by the institution. A meal consists of all recipes prepared for a breakfast, noon, or evening meal as well as the production diets associated with each recipe. In turn, the production diet entry may indicate the percentage of that recipe that is to be served in a cafeteria or by tray.
116.2	PRODUCTION DIET	^FH(116.2,	Includes data (Merges) This file contains a list of the production diets which are the basic diets actually prepared and from which the wide variety of clinical diet modifications are derived.
116.3	HOLIDAY MEALS	^FH(116.3,	This file consists of a list of holiday dates for which special meals are prepared. It consists of the holiday date, name, and allows for entry of a breakfast, noon, and/or evening meal which, if present, will override the normal menu cycle meals on that date.

File List

NUMBER	NAME	GLOBAL NAME	DESCRIPTION
<hr/>			
117	MEALS SERVED	^FH(117,	This file contains the statistical data necessary to prepare the Served Meals Report and the Performance Standards Report. Data is saved for each date.
117.1	STAFFING DATA	^FH(117.1,	This file contains the statistical data necessary to prepare the Staffing Data report. Data is saved for each date.
117.2	DIETETIC COST OF MEALS	^FH(117.2,	This file is used to store the monthly costs of the various food groups. Data is used to calculate the cost of meals served as well as ensure an adequate distribution of food across the food groups.
117.3	ANNUAL REPORT	^FH(117.3,	The Annual Dietetic Report is designed to facilitate data gathering and to eliminate information that has been discontinued or deemed irrelevant. The report will be compiled manually and submitted to Central office Dietetics through regular mail.
117.4	DIETETIC REPORT CATEGORIES	^FH(117.4,	Includes data (Overwrites) This file contains the categories, Specialized Medical Programs, Primary Delivery System, Primary Production System, and the Dietetic Service Equipment.
118	SUPPLEMENTAL FEEDINGS	^FH(118,	Includes data (Merges) This file contains all items served as supplemental feedings. When appropriate, it may include combinations such as ice cream with spoon. Items designed for bulk delivery to the wards are also contained in this file.
118.1	SUPPLEMENTAL FEEDING MENU	^FH(118.1,	Includes data (Merges) This file contains a pattern of supplemental feedings (up to four items for each of three time periods) which are often requested in common situations (e.g., a diabetic patient) and avoids the necessity of individually selecting the various items when ordering supplemental feedings.

File List

NUMBER	NAME	GLOBAL NAME	DESCRIPTION
118.2	TUBEFEEDING	^FH(118.2,	Includes data (Merges) This file contains the products commonly used for tube-feedings as well as their characteristics such as Kcals/cc, cost, and synonyms.
118.3	STANDING ORDERS	^FH(118.3,	This is a list of the common standing orders (often called add-ons or specials) which may be ordered for a patient. It may include such things as 'double portions' or preferences such as 'no fish.'
119	DIETITIAN TICKLER FILE	^FH(119,	This file contains entries relating to required reviews for each dietitian response for a ward or group of wards. It can also be used to record personal or non-patient related entries.
119.1	UNITS	^FH(119.1,	Includes data (Merges) This file consists of a list of units used by the ingredient file to indicate the dietetic issue unit.
119.4	ISOLATION/PRECAUTION TYPE	^FH(119.4,	Includes data (Merges) This file contains the list of isolation/precaution types, as commonly identified by medical personnel, and indicates the characteristics of those types important to the Dietetic Service such as type of china and appropriate tray delivery person.
119.5	DIETETIC CONSULTS	^FH(119.5,	Includes data (Merges) This file contains the list of types of dietetic consultations performed as well as 'time-units' necessary to complete such consultations for workload purposes.
119.6	DIETETICS WARD	^FH(119.6,	This file is a list of wards in the hospital and associated room-beds and contains various dietetic specific information such as the assigned clinician, bulk nourishments for the ward, and which Service Point, Communication Office, and Supplemental Feeding Site is assigned responsibility for the ward.

File List

NUMBER	NAME	GLOBAL NAME	DESCRIPTION

119.71	PRODUCTION FACILITY	^FH(119.71,	This file is a list of Production Facilities and associated parameters. A Production Facility is generally a main kitchen where bulk food is prepared for use by Service Points.
119.72	SERVICE POINT	^FH(119.72,	This file is a list of Service Points and associated parameters. A Service Point is a tray assembly line or cafeteria where bulk food from a Production Facility is served.
119.73	COMMUNICATION OFFICE	^FH(119.73,	This file is a list of Communication Offices and associated parameters. A Communication Office has responsibility for processing diet orders for a group of wards.
119.74	SUPPLEMENTAL FEEDING SITE	^FH(119.74,	This file contains a list of Supplemental Feeding Sites and associated parameters. A Supplemental Feeding Site prepares orders for a group of wards for which it is responsible.
119.8	DIETETIC EVENTS	^FH(119.8,	This file contains entries for all patient movements, diet changes, tube feeding orders, additional orders, food preferences, standing orders, and patient isolation orders requiring action by the Dietetic Service.
119.9	FH SITE PARAMETERS	^FH(119.9,	Includes data (Merges) This file contains an extensive set of site parameters designed to indicate common time periods, such as early and late tray delivery times, as well as characteristics of the Dietetic Service and/or different methods by which the Service wishes the program to perform.

File List

Cross References

File,Field#	Field Name	X-Ref	Description
111,99	INACTIVE	AC	This cross reference is used to create an 'T' node for inactive entries.
111,.01	NAME	B	Regular cross reference used for lookups.
111,1	SYNONYM	C	Regular cross reference used for lookups.
111.1,.01	NAME	B	Regular cross reference used for lookups.
112,4	ORIGINAL NAME	AC	If Field is Yes, then Name (.01 Field) is set under "AQ" Quick List for rapid selection.
112,4.2	ALTERNATIVE NAME	AD	If Field 4.4 is Yes, then this Alternative Name is set under the "AQ" Quick List for rapid selection.
112,4.4	ALT NAME QUICK LIST	AE	This Field, when answered yes, Quick List will result in the Alternate Name (Field 4.2) being placed under the "AQ" Quick List for rapid selection.
112,.01	NAME	AQ	If Field 4 is Yes, then the name is set under an "AQ" quick list for rapid selection.
112,4.2	ALTERNATIVE NAME	B	This is the regular cross-reference of the Alternative Name field.
112,.01	NAME	B	Regular cross reference used for lookups.
112,1	CODE	C	Regular cross reference used for lookups.
112.2,.01	NAME	B	Regular cross reference used for lookups.
112.2,.5	MEMONIC	C	Regular cross reference used for lookups.

Cross-References

File,Field#	Field Name	X-Ref	Description
112.6,.01	NAME	B	Regular cross reference used for lookups.
113,.01	NAME	B	Regular cross reference used for lookups.
113,2	STOCK NUMBER	C	This cross reference consists of the last 4 characters of the Stock Number which has been entered.
113.1,.01	NAME	B	Regular cross reference used for lookups.
113.1,1	CODE	C	Regular cross reference used for lookups.
113.2,.01	NAME	B	Regular cross reference used for lookups.
114,.01	NAME	B	Regular cross reference used for lookups.
114,8	SYNONYM	C	Regular cross reference used for lookups.
114.1,99	INACTIVE	AC	This is a cross reference for Recipe Categories that are inactive.
114.1,.01	NAME	B	Regular cross reference used for lookups.
114.1,1	CODE	C	Regular cross reference used for lookups.
114.2,.01	NAME	B	Regular cross reference used for lookups.
114.3,.01	NAME	B	Regular cross reference used for lookups.
114.4,.01	NAME	B	Regular cross reference used for lookups.
115.2,99	INACTIVE	AC	This cross-reference is used to create an 'T' node for inactive entries.

File,Field#	Field Name	X-Ref	Description
115.2,.01	NAME	B	Regular cross reference used for lookups.
115.3,99	INACTIVE	AC	This cross-reference is used to create an 'I' node for inactive entries.
115.3,.01	NAME	B	Regular cross reference used for lookups.
115.3,.01	NAME	B	Regular cross reference used for lookups.
105.3,101	UPPERCASE NAME	C	Regular cross reference used for lookups.
115.4,.01	NAME	B	Regular cross reference used for lookups.
115.4,101	UPPERCASE NAME	C	Regular cross reference used for lookups.
115.4,1	STATUS TEXT		This trigger converts the upper/lower case name into all uppercase and stores it in field #101.
115.4,1	STATUS TEXT	D	Regular cross reference used for lookups.
115.5,.01	NAME	B	Regular cross reference used for lookups.
115.5,.01	NAME		This trigger converts the upper/lower case name into all uppercase and stores it in field #101.
115.5,101	UPPERCASE NAME	C	Regular cross reference used for lookups.
115.6,99	INACTIVE	AC	This cross-reference is used to create an 'I' node for inactive entries.
115.6,101	IDENT NUMBER	AX	Regular cross reference used for lookups.
115.6,.01	NAME	B	Regular cross reference used for lookups.

Cross-References

File,Field#	Field Name	X-Ref	Description
115.7,1	DATE/TIME OF ENCOUNTER	AT	Regular cross reference used for lookups.
115.7,.01	NUMBER	B	Regular cross reference used for lookups.
116,.01	NAME	B	Regular cross reference used for lookups.
116.1,.01	NAME	B	Regular cross reference used for lookups.
116.2,99	INACTIVE	AC	This cross reference is used to create an 'I' node for inactive entries.
116.2,99	INACTIVE	AD	This cross reference does not alter the global contents, but rather invokes a routine which removes inactive production diets from the recording scheme.
116.2,8	TALLY ORDER	AO	Regular cross reference used for lookups.
116.2,7	PRINT ORDER	AP	Regular cross reference used for lookups.
116.2,8	TALLY ORDER	AR	This cross-reference rebuilds the 'AR' decoding string whenever the tally order is changed.
116.2,.01	NAME	B	Regular cross reference used for lookups.
116.2,1	CODE	C	Regular cross reference used for lookups.
116.3,.01	DATE	B	Regular cross reference used for lookups.
117,.01	CENSUS DATE	B	Regular cross reference used for lookups.
117.1,.01	DATE	B	Regular cross reference used for lookups.

File,Field#	Field Name	X-Ref	Description
117.2,.01	MONTH/YEAR	B	Regular cross reference used for lookups.
117.3,.01	QTR/YR	B	Regular cross reference used for lookups.
117.4,.01	NAME	B	Regular cross reference used for lookups.
117.4,101	UPPERCASE NAME	C	Regular cross reference used for lookups.
117.4,.01	NAME		This trigger converts the upper/lower case name into all uppercase and stores it in field #101.
118,20	COST	AC	Regular cross reference used for lookups.
118,99	INACTIVE	AD	This cross-reference is used to create an 'T' node for inactive entries.
118,.01	NAME	B	Regular cross reference used for lookups.
118.1,99	INACTIVE	AC	This cross-reference is used to create an 'T' node for inactive entries.
118.1,.01	NAME	B	Regular cross reference used for lookups.
118.1,1	SYNONYM	C	Regular cross reference used for lookups.
118.2,99	INACTIVE	AC	This cross-reference is used to create an 'T' node for inactive entries.
118.2,.01	NAME	B	Regular cross reference used for lookups.

Cross-References

File,Field#	Field	X-Ref	Description
118.3,99	INACTIVE	AC	This cross-reference is used to create an 'T' node for inactive entries.
118.3,.01	NAME	B	Regular cross reference used for lookups.
119.01	DIETITIAN	B	Regular cross reference used for lookups.
119.1,.01	NAME	B	Regular cross reference used for lookups.
119.4,99	INACTIVE	AC	This cross-reference is used to create an 'T' node for inactive entries.
119.4,.01	NAME	B	Regular cross reference used for lookups.
119.5,99	INACTIVE	AC	This cross-reference is used to create an 'T' node for inactive entries.
119.5,.01	NAME	B	Regular cross reference used for lookups.
119.6,11	PRINT ORDER	AP	Regular cross reference used for lookups.
119.6,3	TRAY SERVICE POINT	AS1	This cross-reference, along with those on fields 4 and 5, is used to set the Services field. It is a string containing C, T, and/or D indicating which services are available for this ward.
119.6,4	CAFETERIA SERVICE POINT	AS2	This cross-reference, along with those on fields 3 and 5, is used to set the Services field. It is a string containing C, T, and/or D indicating which services are available for this ward.
119.6,5	DINING ROOM TRAY SERVICE	AS3	This cross-reference, along with those on fields 3 and 4, is used to set the Services field. It is a string containing C, T, and/or D indicating which services are available for this ward.

File,Field#	Field Name	X-Ref	Description
119.6,.01	NAME	B	Regular cross reference used for lookups.
119.71,.01	NAME	B	Regular cross reference used for lookups.
119.72,.01	NAME	B	Regular cross reference used for lookups.
119.72,.5	SHORT NAME	C	Regular cross reference used for lookups.
119.73,.01	NAME	B	Regular cross reference used for lookups.
119.74,.01	NAME	B	Regular cross reference used for lookups.
119.74,1	SHORT NAME	C	Regular cross reference used for lookups.
119.8,1	DATE/TIME	AD	This is a cross-reference of dietetic events by patient and date/time. Field 2 is also used to set this cross-reference.
119.8,1	DATE/TIME	AP1	This is a cross-reference of dietetic events by patient and date/time. Field 1 is also used to set this cross-reference.
119.8,2	PATIENT	AP	Regular cross reference used for lookups.
119.8,.01	NAME	B	Regular cross reference used for lookups.
119.9,.01	NAME	B	Regular cross reference used for lookups.

Cross-References

Routine Descriptions

FH	Dietetics System
FHADM2	Enter/Edit Served Meals
FHADM21	Served Meals Report
FHADM2A	Calculate NPO/Trays for Served Meals
FHADM3	Additional Meals Report
FHADM4	Staffing Data Report
FHADM5	Update Costs
FHADR1	Dietetic Facility Profile
FHADR10	Dietetic Equipment
FHADR1A	Dietetic Facility Profile
FHADR2	Type of Service
FHADR3	Facility Workload
FHADR3A	Facility Workload
FHADR4	Annual Nutrition Status Summary
FHADR5	Dietetic Encounter Percentage
FHADR6	Modified Diet Percentage
FHADR61	Nutritive Analysis Average
FHADR7	Staffing Yearly Average
FHADR8	Dietetic Costs
FHADR81	Print Dietetic Costs
FHADR9	Dietetic Survey
FHADR9A	Dietetic Survey (cont.)
FHADRPT	Print Dietetic Annual Report
FHADRSY	Purge Old Annual Dietetic Data
FHASC	Clinical Management
FHASE	Dietetic Encounters
FHASE1	Encounter Statistics
FHASE1A	Encounter Statistics (cont.)
FHASE2	Patient Encounter Inquiry
FHASE3	Encounter Utilities
FHASM1	Nutrition Assessment
FHASM2	Assessment (cont)
FHASM2A	Ideal Weight - Metropolitan 83
FHASM2B	Ideal Weight - Geriatric
FHASM2C	Ideal Weight - Pediatric
FHASM2D	Ideal Weight - Anthropometric/Hamwi
FHASM3	Antropometrics
FHASM3A	Frisancho Standards
FHASM4	Laboratory/Drug Data
FHASM5	Energy/Calorie Factors
FHASM6	Protein/Fluid Requirements
FHASM7	KCAL Distribution
FHASMR	Assessment Report
FHASMR1	Assessment Report (cont)
FHASN	Nutrition Status

Routine Description

FHASN1	Print Status Summary
FHASN3	Nutrition Status Matrix
FHASN4	Nutrition Status Matrix (cont.)
FHASN5	Print Patient's Nutrition Status History
FHASN6	List Inpats By Nutrition Status Level
FHASN7	Print Status Average
FHASN71	Print Status Average (cont.)
FHASP	Nutrition Profile
FHASP1	Nutrition Profile (cont)
FHASP2	Nutrition Profile (cont.)
FHASXR	Print Screening
FHASXR1	Print Screening (cont)
FHBIR	Birthday List
FHCLN	Clinical Dietetics
FHCMS1	Calculate Meals
FHCMSR	Cost of Meals Served
FHCMSR1	Cost of Meals Served (cont.)
FHCTF	Clinician Tickler File
FHCTF1	Display Tickler File
FHCTF2	Tickler File Utilities
FHCTF3	Clear File Entries
FHCTF4	Check Ward Patients for a Clinician
FHDCR1	Diet Cards
FHDCR11	Build Diet Cards (Cont.)
FHDCR1A	Build Diet Cards
FHDCR1B	Diet Card Utilities
FHDCR1C	Print Diet Cards
FHDCR1D	Build Separate Meal Diet Card
FHDCR2	Find Order Changes
FHDEV	Device Parameters
FHDMP	Patient Data Log
FHDMP1	Patient Data Log (cont)
FHDMP2	Patient Data Log (cont)
FHDMP3	Patient Data Log (cont)
FHDMP4	Patient Data Log (cont)
FHDMP5	Patient Data Log (cont)
FHDPA	Patient Look-Up
FHIPST	Post-Init conversions
FHIPST1	Post-Init (Move Tubefeeds)
FHIPST10	Ingredient Items 2
FHIPST11	Ingredient Items 3
FHIPST12	Ingredient Items 4
FHIPST13	Ingredient Items 5
FHIPST14	Ingredient Items 6
FHIPST15	Ingredient Items 7
FHIPST16	Ingredient Items 8
FHIPST17	Additional Category to Meals
FHIPST18	Update for Recipe Category
FHIPST19	Recipe Category Items 1

FHIPST2	Move Room-Beds to Wards
FHIPST20	Remove American Diet Products
FHIPST3	Move Delivery Points
FHIPST4	Convert Meals
FHIPST5	Set Future Diets in TaskMan
FHIPST6	Set up Recipe Analysis Values
FHIPST7	Annual Report Date Field Conversion
FHIPST8	Main Routine for Ingredient Match
FHIPST9	Ingredient Items 1
FHMTK	Diet Patterns
FHMTK1	Tray Tickets
FHMTK11	Build Tray Tickets (Cont.)
FHMTK1A	Build Tray Tickets
FHMTK1B	Tray Ticket Utilities
FHMTK1C	Print Tray Tickets
FHMTK2	List Diet Patterns
FHMTK21	List Diet Patterns (cont.)
FHMTK3	Enter/Edit Patient Diet Pattern
FHMTK4	Patient Diet Pattern Utility
FHMTK5	List Inpats Without Diet Patterns/Ind Pattern
FHMTK6	History of Diet Patterns
FHMTK7	Update Diet Restrictions
FHNO1	Supplement Feeding Management
FHNO2	Supplemental Feeding Labels
FHNO21	Print Feeding Labels
FHNO3	Supplemental Feeding Lists
FHNO31	Supplemental Feeding Lists (cont)
FHNO4	Bulk Nourishments
FHNO41	List Bulk Nourishments
FHNO5	Enter/Edit Supplemental Fdgs.
FHNO6	Supplemental Feeding Costs
FHNO7	List Supplemental Fdgs.
FHNO8	History of Supp. Fdgs.
FHNTEG	Package checksum checker
FHNTEG0	Package checksum checker
FHNU	Nutrient Analysis
FHNU1	List Menu
FHNU10	Print RDA Values
FHNU11	Recipe Analysis
FHNU12	Recipe Analysis Output
FHNU2	Analyze Menu
FHNU3	Weekly Summary
FHNU4	Edit Menu
FHNU5	Abbreviated Analysis
FHNU6	Abbreviated Analysis Output
FHNU7	Food Item Search
FHNU8	Nutrient Intake Study
FHNU9	Nutrient Analysis Utilities

Routine Description

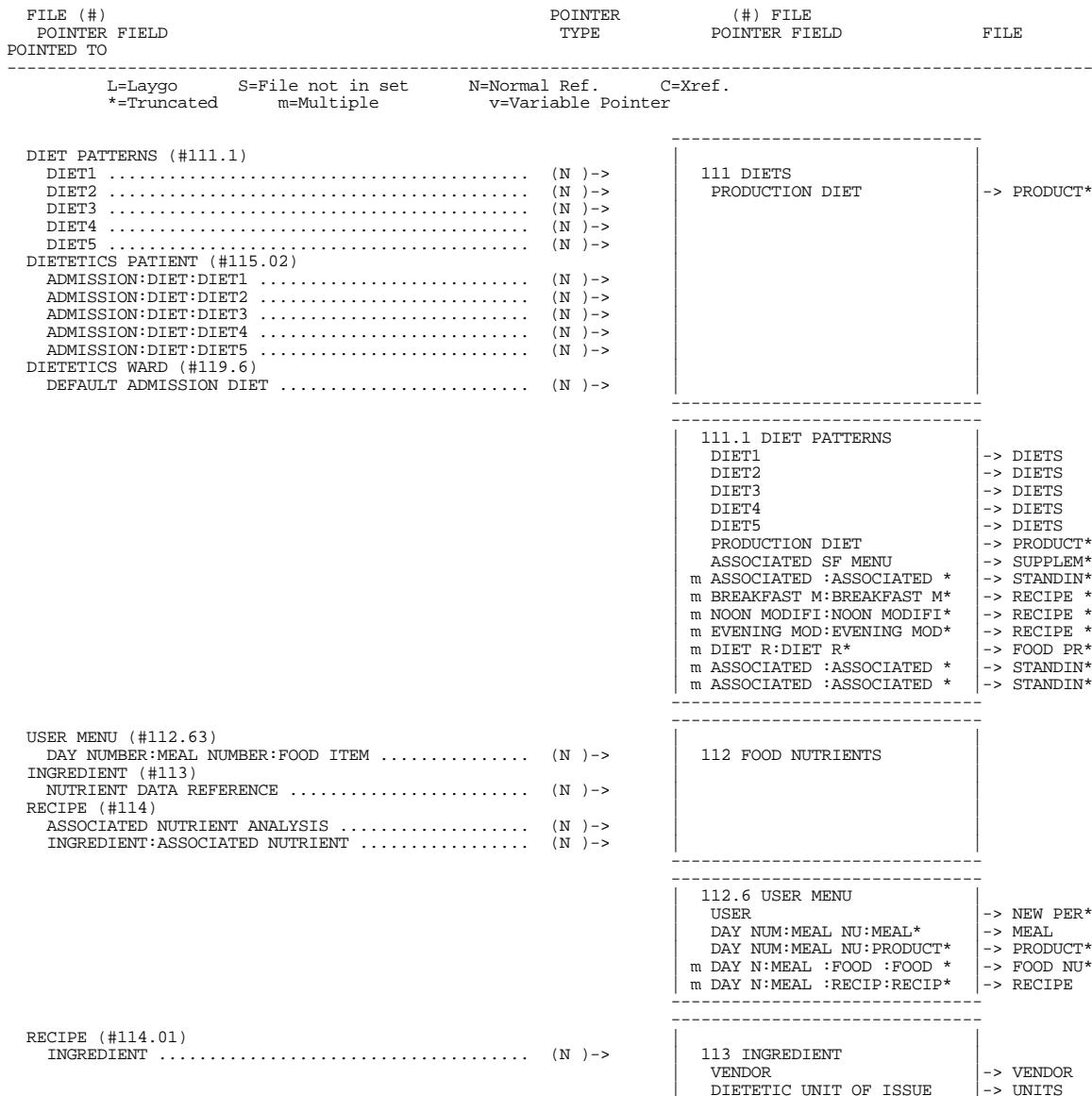
FHNUT	Read in the Food Nutrients and Calculate For 100 Grams
FHORC	Dietetic Consults
FHORC1	Review Active Consults
FHORC2	Clear/Query a Consult
FHORC3	Consult Statistics
FHORC4	Re-Assign Active Consults
FHORC5	Consult Management
FHORCW	OE/RR Consults
FHORD	Diet Order Entry
FHORD1	Diet Order
FHORD10	Diet Activity Report
FHORD11	Diet Activity Report (cont)
FHORD13	Reprint Diet Label
FHORD1A	Diet Order Window
FHORD2	Review Diet Orders
FHORD3	Withhold Service
FHORD4	Isolation/Precaution
FHORD41	Isolation List
FHORD5	Withhold Lists
FHORD6	Diet Inquiry
FHORD61	Diet Inquiry (cont)
FHORD7	Diet Order Utilities
FHORD71	Diet Order Utilities (cont)
FHORD72	Diet Order Utilities (cont)
FHORD8	Diet Order Lists
FHORD81	Diet Order Lists (cont)
FHORD82	Diet Order Lists (cont)
FHORD83	Diet Order Lists (cont.)
FHORD9	Diet Order Census
FHORD91	Diet Census Cont.
FHORD92	Diet Census Percentage
FHORD93	Diet Census Percentage (Cont.)
FHORDR	Production Diet Recode
FHORDW	OE/RR Diet Orders
FHORDW1	OE/RR NPO's
FHORDW2	OE/RR Isolations
FHORDW3	Diet Quick Orders
FHORE1	Early/Late Trays
FHORE1A	File Early/Late Order
FHORE2	List Early/Late Trays
FHORE21	List Early/Late Trays (cont)
FHORE3	Cancel Early/Late Trays
FHOREW	OE/RR Early/Late Trays
FHORO	Additional Orders
FHOROW	OE/RR Additional Orders
FHORT1	Tubefeeding
FHORT10	Tubefeeding (cont)
FHORT11	File Tubefeeding Order

FHORT2	Tubefeeding Inquiry/Cancel
FHORT3	Tubefeeding Utilities
FHORT5	Tubefeeding Reports
FHORT5A	Tubefeeding Reports (cont)
FHORT5B	Tubefeeding Reports (cont)
FHORT5C	Tubefeeding Reports (cont)
FHORT5D	Tubefeeding Reports (cont)
FHORTW	OE/RR Tubefeeding
FHORX	File Dietetic Event
FHORX1	Diet Activity Report
FHORX1A	Diet Activity Report (cont)
FHORX1B	Diet Activity Labels
FHORX1C	List Dietetic Events
FHORX2	List Patient Events
FHORX3	List Dietetic Events
FHPATM	Patient Movements
FHPRC	Menu Cycle Management
FHPRC1	Menu Cycle Utilities
FHPRC10	Meal Analysis
FHPRC11	Meal Analysis (cont.)
FHPRC12	Meal Analysis Summary
FHPRC13	Enter/Edit Recipe Menu
FHPRC14	Meal Analysis (cont.)
FHPRC2	List Weekly Menu
FHPRC3	List Meal
FHPRC4	Menu Cycle Query
FHPRC5	List Menu Cycle
FHPRC6	Edit Meal Production Diets
FHPRC7	Find Meals Containing a Recipe
FHPRC8	Print Daily Diet Menus
FHPRC9	Weekly Menu Blocks
FHPRF	Forecasting
FHPRF1	Calculate Total Forecast
FHPRF1A	Print Forecast
FHPRF2	Print Diet Percentages
FHPRF4	Print Other Meals
FHPRI	Ingredient Management
FHPRI1	Find Recipes with Ingredient
FHPRI2	Ingredient Lists
FHPRI3	List Vendors
FHPRO	Food Production Manager
FHPRO1	Production Processing
FHPRO2	Forecast/Census Calculations
FHPRO3	Recipe Calculations
FHPRO4	Production/Meal Service Summary
FHPRO4A	Meal Distribution Report
FHPRO5	Recipe Preparation
FHPRO6	Storeroom Requisition
FHPRO7	Print Recipes

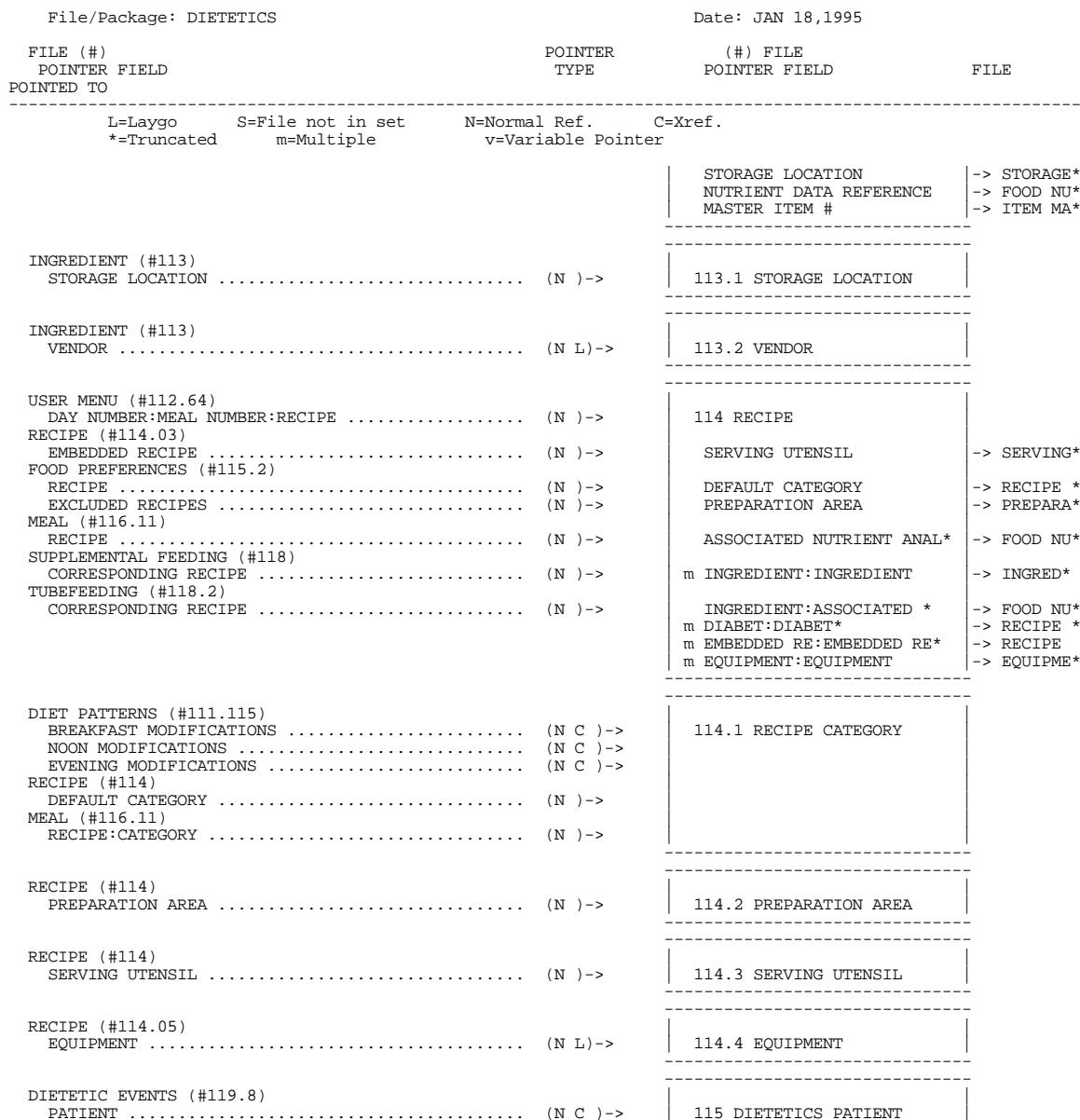
Routine Description

FHPRR1	Projected Usage
FHPRR2	Projected Usage (cont).
FHPRW	List Dietetic Wards
FHPRW1	List Facilities
FHPRW2	List Service Points
FHPRW3	List Communication Offices
FHPRW4	List Supp. Fdg. Sites
FHREC	Recipe Management
FHREC1	Units Conversion
FHREC2	Adjust Recipe
FHREC3	Re-cost recipes
FHREC4	Recipe List
FHREC5	Recipe Analysis
FHREC6	Recipe Analysis Output
FHREC7	Display Analyzed Recipes
FHREP	Inventory Worksheet and Report
FHREP1	Inventory Worksheet and Report
FHSEL1	Patient Preferences
FHSEL2	Tabulate Patient Preferences
FHSEL3	Print Tabulated Preferences
FHSEL4	Tabulate Food Preferences
FHSP	Standing Orders
FHSP1	Consolidated Standing Orders List
FHSP11	Print Standing Orders Labels
FHSPED	Enter/Cancel Standing Orders
FHSPTAB	Tabulate Standing Orders
FHSYSF	File Manager Search/Print
FHSYSK	Purge Old Diet Activities
FHSYSP	Site Parameter Edit
FHVER	Dietetics Version
FHWADM	Set up admission
FHWDIS	Close out on discharge
FHWDISD	Delete Discharge
FHWHEA	Health Summary
FHWMAS	Process MAS Events
FHWTRN	Process Transfers
FHXCNV	Convert OE/RR to MAS 5 Admissions
FHXDB	Verify data base pointers
FHXDB1	Verify data base pointers (cont.)
FHXDB2	Verify patient data base
FHXIN	Create FHPT File
FHXMOV	Process Annual Report Movement
FHXWRD	Update Patient Dietetic Ward

File Diagram



File Diagram



File Diagram

File/Package: DIETETICS

Date: JAN 18, 1995

FILE (#)
POINTER FIELD
POINTED TO

POINTER
TYPE
(#) FILE
POINTER FIELD
FILE

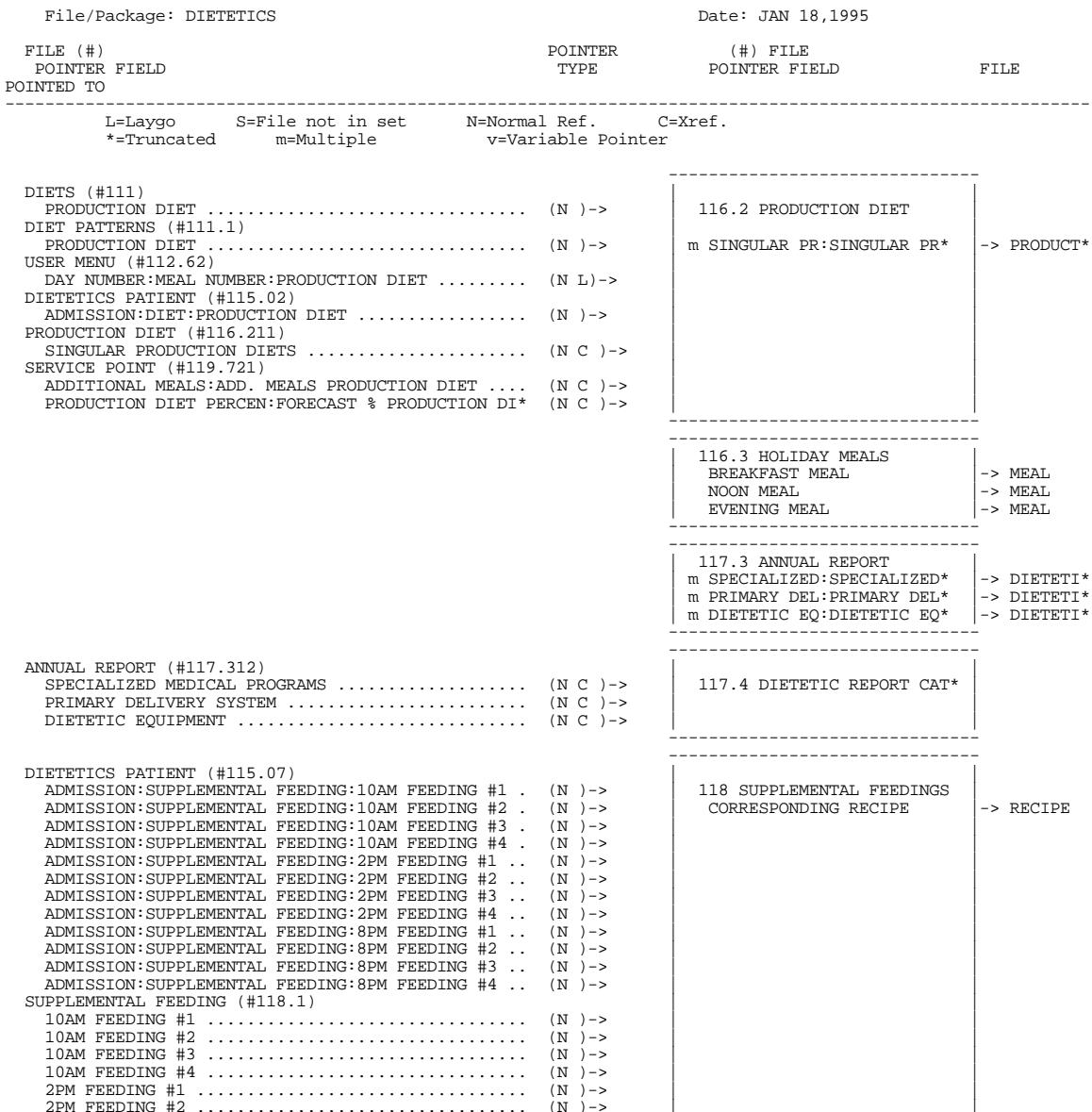
L=Layout S=File not in set N=Normal Ref. C=Xref.
*=Truncated m=Multiple v=Variable Pointer

NAME	-> PATIENT
ADMISSION:ISOLATION/P*	-> ISOLATI*
ADMISSION:OE/RR ISOLA*	-> ORDER
ADMISSION:LAST LABEL WARD	-> DIETETI*
ADMISSION:DIETETIC WARD	-> DIETETI*
ADMISSION:ROOM-BED	-> ROOM-BED
NUTRITION A:RISK CATEGO*	-> NUTRITI*
NUTRITION A:ENTERING CL*	-> NEW PER*
NUTRITION STATUS:STATUS	-> NUTRITI*
NUTRITION S:ENTRY CLERK*	-> NEW PER*
NUTRITION S:REVIEW CLERK*	-> NEW PER*
NUTRITION S:DIETETIC WA*	-> DIETETI*
ADMISSION:DIET:DIET1	-> DIETS
ADMISSION:DIET:DIET2	-> DIETS
ADMISSION:DIET:DIET3	-> DIETS
ADMISSION:DIET:DIET4	-> DIETS
ADMISSION:DIET:DIET5	-> DIETS
ADMISSION:DIET:CLERK	-> NEW PER*
ADMISSI:DIET:PRODUCT*	-> PRODUCT*
ADMISSI:DIET:OE/RR O*	-> ORDER
ADMISSI:DIET:CURRENT*	-> ORDER S*
ADMISSI:DIET:REVIEW *	-> NEW PER*
ADMISSI:DIET:CANCELL*	-> NEW PER*
ADMISSI:DIET:PATTERN*	-> NEW PER*
NUTRITI:LAB DAT:LAB TES*	-> LABORAT*
ADMISSI:CONSULT:CONSULT*	-> DIETETI*
ADMISSI:CONSULT:CLINICI*	-> NEW PER*
ADMISSI:CONSULT:CLERK*	-> NEW PER*
ADMISSI:CONSULT:CLERK C*	-> NEW PER*
ADMISSI:CONSULT:OE/RR O*	-> ORDER
ADMISSI:TUBEFEE:ENTERIN*	-> NEW PER*
ADMISSI:TUBEFEE:CANCELL*	-> NEW PER*
ADMISSI:TUBEFEE:OE/RR O*	-> ORDER
ADMISSI:TUBEFEE:REVIEW *	-> NEW PER*
ADMISSI:EARLY/L:CLERK*	-> NEW PER*
ADMISSI:EARLY/L:OE/RR O*	-> ORDER
ADMISSI:ADDITIO:CLERK*	-> NEW PER*
ADMISSI:ADDITIO:CLERK C*	-> NEW PER*
ADMISSI:ADDITIO:OE/RR O*	-> ORDER
ADMISSI:SUPPLEM:ENTERIN*	-> NEW PER*
ADMISSI:SUPPLEM:SF MENU*	-> SUPPLEM*
ADMISSI:SUPPLEM:10AM FEE*	-> SUPPLEM*
ADMISSI:SUPPLEM:10AM FE*	-> SUPPLEM*
ADMISSI:SUPPLEM:10AM FE*	-> SUPPLEM*
ADMISSI:SUPPLEM:10AM FE*	-> SUPPLEM*
ADMISSI:SUPPLEM:2PM FEE*	-> SUPPLEM*
ADMISSI:SUPPLEM:2PM FEE*	-> SUPPLEM*
ADMISSI:SUPPLEM:2PM FEE*	-> SUPPLEM*
ADMISSI:SUPPLEM:8PM FEE*	-> SUPPLEM*
ADMISSI:SUPPLEM:8PM FEE*	-> SUPPLEM*
ADMISSI:SUPPLEM:8PM FEE*	-> SUPPLEM*

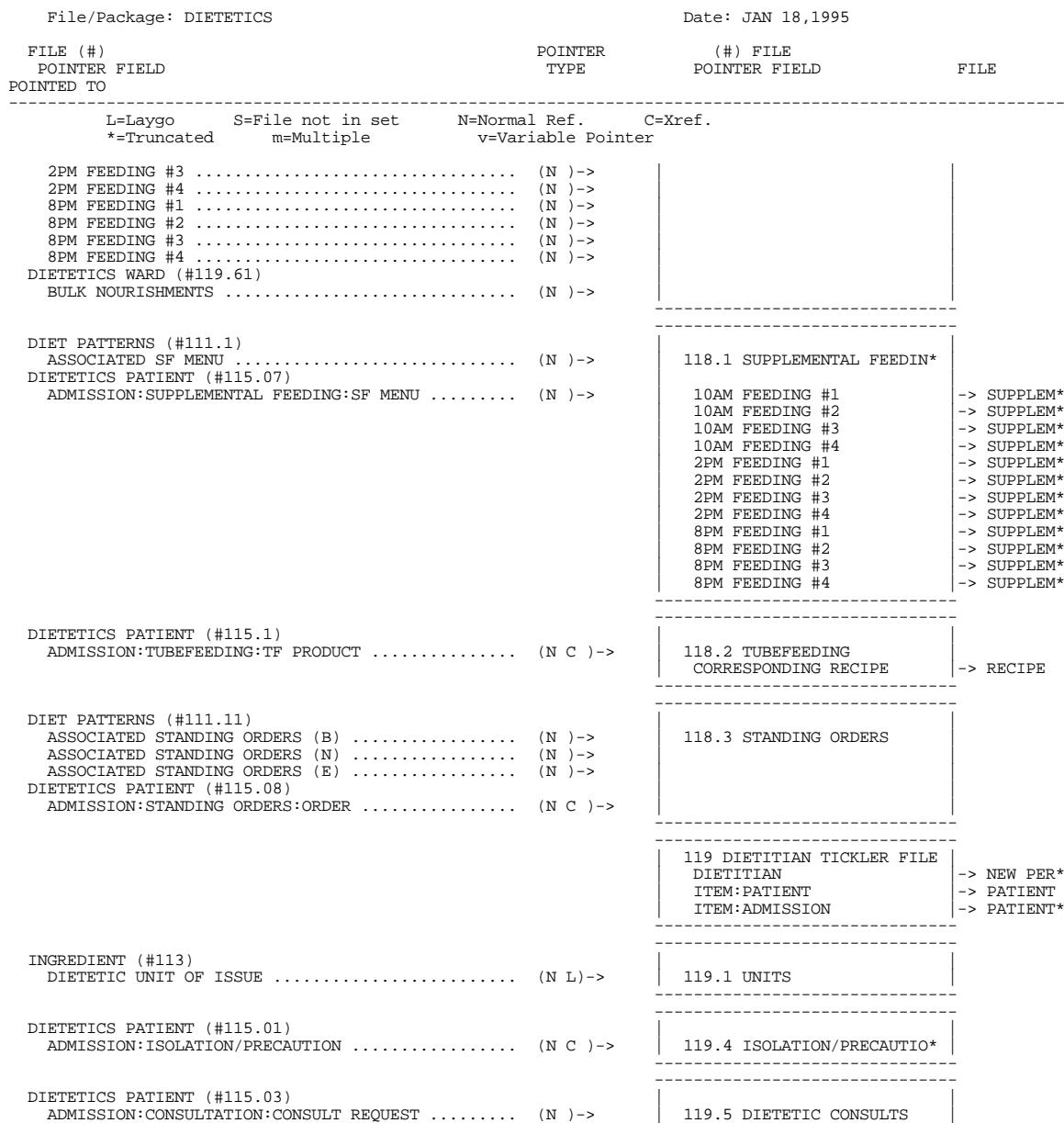
File Diagram

File/Package: DIETETICS		Date: SEP 12, 1996	
FILE (#) POINTER FIELD	TYPE	(#) FILE POINTER FIELD	FILE POINTED TO
L=Laygo S=File not in set *=Truncated m=Multiple v=Variable Pointer	N=Normal Ref. C=Xref. v=Variable Pointer		
			ADMISSI:SUPPLEM:REVIEW * -> NEW PERSON ADMISSI:SUPPLEM:CANCEL* -> NEW PERSON ADMISSI:STANDIN:ORDER* -> STANDING ORDERS ADMISSI:STANDIN:ENTERIN* -> NEW PERSON ADMISSI:STANDIN:CANCEL* -> NEW PERSON m FOOD PREFER:FOOD PREFER* -> FOOD PREFERENCES m ADMIS:TUBEF:TF PR:TF PR* -> TUBEFEEDING
DIET PATTERNS (#111.119)			
DIET RESTRICTION (N C)->			115.2 FOOD PREFERENCES
DIETETICS PATIENT (#115.09)			
FOOD PREFERENCES (N)->			RECIPE -> RECIPE m EXCLUDED RE:EXCLUDED RE* -> RECIPE
DIETETICS PATIENT (#115.011)			
NUTRITION ASSESSMENT:NUTRITION PROBLEM (N)->			115.3 NUTRITION CLASSIFIC*
DIETETICS PATIENT (#115.011)			
NUTRITION ASSESSMENT:RISK CATEGORY (N)->			115.4 NUTRITION STATUS
NUTRITION STATUS:STATUS (N)->			
DIETETIC ENCOUNTERS (#115.7)			
ENCOUNTER TYPE (N)->			115.6 ENCOUNTER TYPES
TEST IDENT (#578001)			
NAME (N S C)->			
			115.7 DIETETIC ENCOUNTERS CLINICIAN -> NEW PERSON ENCOUNTER TYPE -> ENCOUNTER TYPES EVENT LOCATION -> HOSPITAL LOCATION ENTERING CLERK -> NEW PERSON REVIEW CLERK -> NEW PERSON m PATIENT:PATIENT -> PATIENT PATIENT:LOCATION -> HOSPITAL LOCATION
			116 MENU CYCLE
			DAY:BREAKFAST MEAL -> MEAL DAY:NOON MEAL -> MEAL DAY:EVENING MEAL -> MEAL
USER MENU (#112.62)			
DAY NUMBER:MEAL NUMBER:MEAL (N)->			116.1 MEAL
MENU CYCLE (#116.01)			
DAY:BREAKFAST MEAL (N)->			m RECIPE:RECIPE -> RECIPE
DAY:NOON MEAL (N)->			RECIPE:CATEGORY -> RECIPE CATEGORY m RECIPE:POPULAR:SERVICE* -> SERVICE POINT
DAY:EVENING MEAL (N)->			m RECIPE:RECIPE :RECIPE * -> RECIPE CATEGORY
HOLIDAY MEALS (#116.3)			
BREAKFAST MEAL (N)->			
NOON MEAL (N)->			
EVENING MEAL (N)->			

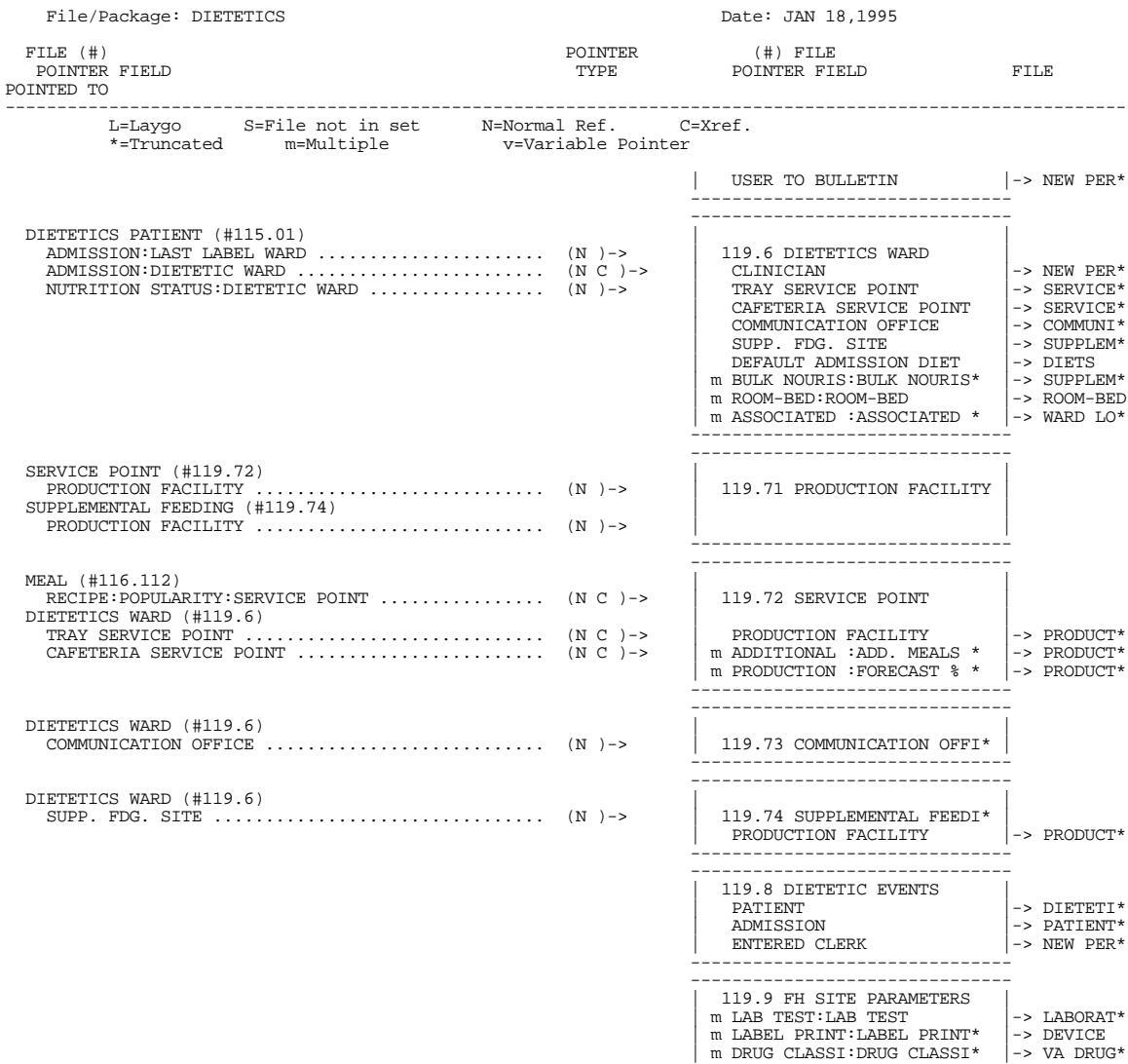
File Diagram



File Diagram



File Diagram



File Diagram

Archiving and Purging

At the present time, a purging facility exists. The ability to archive records is dependent upon the dissemination of a FileMan-generalized archive capability. It should be noted that all data in the Dietetics package should also exist in the medical record which is the primary legal document for the data.

The purge option is contained only in the managerial menu FHMGR and allows for purging of data on inpatients who have been discharged for at least 400 days (roughly 13 months). There are three types of data, the patient's food preference, nutrition assessment, and the nutrition status, will not be purged and will remain on file. Data on patient admissions where the discharge date is less than 400 days cannot be purged under any circumstances but it is possible to lengthen the period of time since discharge to more than 400 days so that more records are retained on-line.

Archiving and Purging

Callable Routines

Two packages have formally requested entry points into the Dietetics System:

^FHWHEA - Health Summary entry point

^FHORD9 - Diet Census, used by Medical Management package

Callable Routines

Package-wide Variables

No variables are used package wide.

Package-wide Variables

External Relations

This package makes extensive use of the documented entry points into various Kernel functions (e.g., FileMan, MenuMan, Device Handling, TaskMan, etc.).

Apart from the User file, other files outside of Dietetics are:

File 42 (Ward Location) is used extensively to obtain the name of the ward upon which a patient is residing or to loop thru all defined wards.

It might be noted that File 119.6 (Dietetic Wards) are DINUMED to File 42. Therefore, changes to the Ward Location file need to be brought to the attention of Dietetic personnel.

File 41.9 (Census) is used by the Served Ration report to determine the patients remaining on each ward for any given date.

File 60 (Laboratory Test), File 61 (Topography Field), and File 63 (Lab Data) are used to specify tests and typographies of interest. The actual lab data is then retrieved from File 63.

File 55 (Pharmacy Patient), File 50 (Drug) and File 50.605 (VA Drug Class) are used to specify drug classes of interest. Data is then retrieved from File 55.

Dietetics developers have a private intergation agreement (Integration Reference #1333) with the Allergy Tracking Systems developers to use the option Enter/Edit Patient Reaction Data which allows the user to access into the ATS package for data entry.

Extensive use of the Protocol file (101) is used by MAS for notifying Dietetics of movement events and is also used for the various OE/RR orders.

External Relations

Internal Relations

Very few of the options in this package would appear to be candidates for stand-alone use. Therefore, a number of menus have been formally documented as assignable. Other options are not designed for standalone use but may be assigned to locally-developed menus if desired. However, such options may not be utilized in future releases.

The assignable menus are described in the section Exported Menu Structure.

Internal Relations

How to Generate On-Line Documentation

The Dietetics package is totally namespaced using the FH namespace. All routines, input templates, output templates, options, security keys and global names begin with the letters FH. All Dietetic files are in the range 111-119.9 as assigned by the Data Base Administrator.

Various types of on-line documentation are available. Using the Print option of the File Manager one can obtain listings of a wide variety of file characteristics by printing from File 1 which is the file of files. The description field exists for all file fields and provides a fuller description than may be contained in the field title.

The List File Attributes of the File Manager can be used to produce various types of data dictionaries for the package.

%Index can be used to provide a cross-reference listing of all local and global variable usage as well as other information of invaluable assistance in debugging.

On-Line Documentation

Package Security

Security in this package is controlled almost exclusively by the menu option which is assigned to a person. The use of menus containing MGR give the person read/write access to all files referenced by their options while other menus give only read access to important files.

Since a substantial amount of file pointing occurs in this package, deletion of entries in many files is prohibited under ordinary conditions. Rather, entries are deactivated and are screened from selection. In order to reactivate these entries, a person with FileMan access of @ or the FHMGR Security Key must select and re-activate any inactive entries.

The following are the FileMan access codes assigned to each file in this package.

Package Security

FILE SECURITY
 JAN 13, 1995 11:51 PAGE 1

NUMBER	NAME	DD ACCESS	RD ACCESS	WR ACCESS	DEL ACCESS	LAYGO ACCESS
111	DIETS	#	#F	#f	#f	#f
111.1	DIET PATTERNS	@	@	@	@	@
112	FOOD NUTRIENTS	#	#F	#f	#f	#f
112.2	RDA VALUES	#	#F	#f	#f	#f
112.6	USER MENU	#	#F	#F	#F	#F
113	INGREDIENT	#	#F	#f	#f	#f
113.1	STORAGE LOCATION	#	#F	#f	#f	#f
113.2	VENDOR	#	#F	#f	#f	#f
114	RECIPE	#	#F	#f	#f	#f
114.1	RECIPE CATEGORY	#	#F	#f	#f	#f
114.2	PREPARATION AREA	#	#F	#f	#f	#f
114.3	SERVING UTENSIL	#	#F	#f	#f	#f
114.4	EQUIPMENT	#	#F	#f	#f	#f
115	DIETETICS PATIENT	#	#F	#F	#F	#F
115.2	FOOD PREFERENCES	#	#F	#f	#f	#f
115.3	NUTRITION CLASSIFICATION	#	#F	#f	#f	#f
115.4	NUTRITION STATUS	#	#F	#f	#f	#f
115.5	DIETETIC NUTRITION PLAN	#	#F	#f	#f	#f
115.6	ENCOUNTER TYPES	#	#F	#f	#f	#f
115.7	DIETETIC ENCOUNTERS	#	#F	#f	#f	#f
116	MENU CYCLE	#	#F	#f	#f	#f
116.1	MEAL	#	#F	#f	#f	#f
116.2	PRODUCTION DIET	#	#F	#f	#f	#f
116.3	HOLIDAY MEALS	#	#F	#f	#f	#f
117	MEALS SERVED	#	#F	#F	#F	#F
117.1	STAFFING DATA	#	#F	#F	#F	#F
117.2	DIETETIC COST OF MEALS	#	#F	#F	#F	#F
117.3	ANNUAL REPORT	#	#F	#f	#f	#f
117.4	DIETETIC REPORT CATEGORIES	#	#F	#f	#f	#f
118	SUPPLEMENTAL FEEDINGS	#	#F	#f	#f	#f
118.1	SUPPLEMENTAL FEEDING MENU	#	#F	#f	#f	#f
118.2	TUBEFEEDING	#	#F	#f	#f	#f
118.3	STANDING ORDERS	#	#F	#f	#f	#f
119	DIETITIAN TICKLER FILE	#	#F	#f	#f	#f
119.1	UNITS	#	#F	#f	#f	#f
119.4	ISOLATION/PRECAUTION TYPE	#	#F	#f	#f	#f
119.5	DIETETIC CONSULTS	#	#F	#f	#f	#f
119.6	DIETETICS WARD	#	#F	#f	#f	#f
119.71	PRODUCTION FACILITY	#	#F	#f	#f	#f
119.72	SERVICE POINT	#	#F	#f	#f	#f
119.73	COMMUNICATION OFFICE	#	#F	#f	#f	#f
119.74	SUPPLEMENTAL FEEDING SITE	#	#F	#f	#f	#f
119.8	DIETETIC EVENTS	#	#F	#f	#f	#f
119.9	FH SITE PARAMETERS	#	#F	#f	#f	#f

Glossary

ACCESS CODE - An individual's code used to gain use of the computer system.

ADP - 1. Automated Data Processing. 2. Automated Data Processing Service.

ADP CONTACT PERSON - A person in the ADP service who will help answer questions for you.

ADTS - Admissions, Discharge, Transfer, Scheduling; MAS software.

AMIS - Automated Management Information System - A VA wide centralized database.

APPLICATIONS COORDINATOR - A person selected in each medical center's services who has the responsibility for the implementation/coordination of the ADP activities.

BACK UP COPY - A copy of a file or information that is kept as a reference in case the original file is destroyed or unavailable.

BACK UP PROCEDURES - Methods of accomplishing work if the computer is not functioning.

BIT - The smallest unit of storage in the computer.

BITS AND BYTES - The Dietetic Service quarterly computer newsletter.

BUG - An error in a program or a system.

BYTE - The smallest addressable unit of storage of data; eight bits.

CHARACTER - A letter, digit, space, or other symbol that is used as part of the representation of data.

CODE - 1. A system of symbols and rules for use in representing information, or 2. A series of letters used as part of a security code system, for gaining access to the computer system.

COMMAND - A request entered on a terminal to have a function performed; e.g., a printer command.

COMPUTER - An electronic device for performing high speed arithmetic and logical operation.

COMPUTER SYSTEM - A system composed of a computer, peripheral equipment, such as disks, printers, and terminals, and the software necessary to make them operate together.

Glossary

CONVENTION - Symbols or commands common to VA software.

CORE - The ADP software comprising ADTs, Inpatient and Outpatient Pharmacy, Clinical Laboratory, and Kernel.

CPU - Central Processing Unit; a major unit of the computer containing the arithmetic unit, main memory, and control unit.

CRASH - A hardware or software failure that leads to an abnormal cessation of processing.

CRT - Cathode Ray Tube; refers to the terminal screen.

CURSOR - A highlighted mark appearing on the CRT. A bright square or underscore character which indicates where the next entry on the keyboard will be recorded on the CRT.

DATA - Characters arranged together in specific patterns, to which meaning is assigned.

DATA BASE - A large file of organized data which users can draw upon as a common pool of information.

DATA DICTIONARY - A collection of information about the data in each file. It includes such information as data type, minimum and maximum length of entry, and other files pointed to.

DEFAULT - An answer or response that will be entered automatically into the computer program if no response is provided; is usually shown before the slashes, e.g., name: gingerale//.

DELETE - To remove data from the system.

DEVICE - 1. In Dietetic Software programs refers to the selection of the terminal display or the printer for receiving the output. 2. May refer to any hardware.

DHCP - Decentralized Hospital Computer Program.

DIETETIC USER MANUAL - The manual provided with the Dietetic software which explains the programs.

DISK/DISC - A platter, similar to a phonograph record, coated with a magnetic surface on which data can be stored.

DISKETTE - A small disk.

DOCUMENTATION - A collection of descriptions or procedures that provides information about a program so that it can be used properly and maintained.

DUMP - To generate a printout of a file from main memory at a given point in time.

EDIT - To correct, rearrange, and validate input data. To modify the form of output information by inserting blank spaces, special characters where needed, etc.

ELECTRONIC MAIL - A general term to describe the transmission of messages by the use of computing systems and telecommunications facilities.

ENHANCED CORE - The ADP software comprising Radiology, Dietetics, Mental Health, Nursing, Surgery, Medicine, Administrative Support Office Automation.

ENTER (KEY) - Key on the keyboard used at the end of a data entry or command to indicate that the user has finished the entry. Same as the return key on some terminals.

FIELD - In a record, a specific area used for a particular category of data.

FILE - A collection of related records, treated as a unit.

FILEMAN - See File Manager.

FILE MANAGER - A data base management system, developed by the Veterans Affairs. Also referred to as FileMan.

FLAG - A variable used in a program to indicate whether a condition has or has not occurred.

GLOBAL - (Global Variable) Refers to variables which are stored in memory.

HARD COPY - Printed copy of data stored in the computer.

HARDWARE - The physical equipment that makes up a computer system.

HELP - Enter ?, ??, or ??? and an explanation or choices will show on the screen.

INPUT - Data that is submitted to the computer for processing.

INTERFACE - A shared boundary between two devices, systems, or programs.

ISC - Information Systems Center, ISCs are software development centers for VA software applications. There is one ISC administered by each of the seven medical regions. ISCs are located in Albany, NY; Birmingham, AL; Chicago, IL; Salt Lake City, UT; San Francisco, CA; Washington, DC; and Dallas, TX.

JOB - A collection of specific tasks constituting a unit of work for a computer.

JUMP - A departure from sequence in executing instructions in a computer.

Glossary

KERNEL - The set of utilities which performs the tasks of the VA computer system. Includes File Manager, MailMan, Menu Manager, Task Manager, Device Handler, the security system and specialized routines.

KEYBOARD - A device with an arrangement of keys like those on a typewriter; often includes a second set of numbers similar to a calculator pad.

K/KILOBYTE - 1000 bytes; refers to computer storage capacity.

LAYGO - Learn as you go; allows all users to add to the existing files.

LIVE ACCOUNT - Use of the programs with real persons; as opposed to the test account.

LOG ON/SIGN ON - The process of entering the computer system.

MAILMAN - An electronic mail program that enables users to send memos, letters, messages, documents from one computer terminal to another.

MAINFRAME - A large computer capable of supporting many peripheral devices and users.

MAS - Medical Administration Service.

MB/MEGABYTE - One million bytes; or 1000 kilobytes.

MEMORY - A device for storage of data.

MENU - A list of choices presented by the software which represents a decision point in the running of the program.

MIRMO - Medical Information Research Management Office at VACO.

MODEM - Contraction of modulator-demodulator. A device that transmits signals over communications line.

MUMPS - Massachusetts General Hospital Utility Multi-Programming Systems; a high level (source) computer language especially convenient for manipulating textual data.

NULL - The absence of information.

OPTION - List of choices of available programs.

OUTPUT - Information that comes from the computer after processing.

PASSWORD - A code used for gaining access to the computer system; may be referred to as access and verify codes.

PATCH - The modification of a program in an expedient way.

POINTER - An address that specifies a storage location where data can be stored or retrieved.

PORT - A connection between CPU and another device, by means of which data can enter or leave the computer or be transferred between CPU and memory.

PRINTER - A device to produce permanent (hard copy) computer output.

PROMPT - A message on the display terminal requiring input from the user.

PROGRAM - A logically arranged set of instructions defining the operations to be performed by the computer.

QUEUE - Positioning behind other work; used in directing output work to a printer.

RETRIEVE - The process of accessing information previously stored by the computer.

ROUTINE - Same as a program.

SIGN OFF - Process of exiting the computer system.

SIGN ON - Process of entering the computer system.

SITE PARAMETER - A setting in a program which is decided upon and then left for the use of the program.

SITE MANAGER - The person at each VA medical center who is responsible for all ADP functions.

SIZING MODEL - A formula developed to determine the equipment and CPU needs of a service.

SOFTWARE - A set of computer programs associated with the operation of a data processing system.

STORE - To retain data for future use.

TERMINAL - A device used by a person to send data and to receive data from the computer.

TEST ACCOUNT - An account in which the software is first run before it is used live; is used to set up files, train on and practice.

USERS - Persons who use the computer system.

Glossary

USER MANUAL - Same as Dietetics User Manual if referring to Dietetics programs on Version 2.07 or 3.01.

UTILITY - A program which performs many tasks of the computer system; Kernel in DHCP. The utility provides data processing support for the software programs.

VACO - VA Central Office, Washington DC.

VAMC - VA medical centers.

VDT - Video display terminal; same as terminal.

VERIFY CODE - Series of letters; part of the security code used for accessing the computer.

VERSION 2.07, VERSION 3.01, VERSION 3.15, VERSION 4.6 - The Dietetics software programs issued in 1986, 1987, 1988, and 1991 respectively. Newer versions replace earlier ones.

WORD PROCESSING - The use of computers to create, view, edit, store, retrieve, and print text material.

Appendix

Dietetics' Order Entry Version 3 (CPRS) Pre-Install Documentation

Introduction

Dietetics Patch 12 is the Dietetics portion of the Order Entry Version 3 (CPRS) pre-install. It contains five routines, FHXOR3, FHWORI, FHORD, FHORT3, and FHWOR6. These routines are used to populate the Orderable Item file (#101.43) with the entries in the Diets file (#111) and the Tubefeeding file (#118.2). The initial population of the entries are executed by a post-init routine in patch 49 of Order Entry Version 2.5, OR*2.5*49. You can install this patch and the routines will not affect the current system of Dietetics or Order Entry. There will be no Orderable Item file population or update until patch OR*2.5*49 is installed.

This document contains the information on the format for communicating Orderable Item Updates from Dietetics to Order Entry and also the data elements that are being sent to Order Entry. Most of the specifications are based on the HL7 version 2.2 draft specification.

Post-Init Routine

There is one post-init routine, FHXOR3. It adds the three protocols FH EVSEND OR, FH RECEIVE, and FH ORDERABLE ITEM UPDATE to the protocol file (#101).

Orderable Item Updates

The initial population will be handled with a post-init routine FHWORI. Dietetics will compile the messages to populate Order Entry's Orderable Item file (#101.43) with Diets from the Diets file (#111) and then Tubefeeding from the Tubefeeding file (#118.2). The initial population will have one message per item. Afterwards, the inactivated Diets and Tubefeeding will be compiled and sent. The messages are compiled according to Order Entry Version 3 Package Interface Specifications 1.06. The segments that will be in the HL7 message are listed in the following table.

SEG	SEQ	FIELD NAME	EXAMPLE	HL7 TYPE
MSH	1	Field Separator		String
	2	Encoding Characters	^~\&	String
	3	Sending Application	DIETETICS	String
	4	Sending Facility	578	String
	9	Message Type	MFN	ID
MFI	1	Master File ID	111^Diets^99D D	Coded Element
	3	File-Level Event Code	REP	Table 178 (HL7 2.2)
	6	Response Level Code	NE	Table 179 (HL7 2.2)
{ MFE	1	Record-Level Event Code	MAD	Table 180 (HL7 2.2)
	4	Primary Key	^^^9^2gm Sodium^99FHD	Coded Element
ZFH	1	Type	D	Coded Value (D= diet modification, T= tubefeeding product)
	2	Precedence	1	Numeric
	3	Message	Some text	String
	4	Ask Expiration Date?	Y, N, or NULL	Yes or No
{ ZSY }	1	Set ID	1	Numeric
}	2	Synonym	NA2GM	String (repeating segment for multiple) If the type is diet, both fields, Synonym and Alternate Name, are included together in the ZSY segment.

The File-Level Event Code is REP and the Record-Level Event Code is MAD for the initial population. The File-Level Event Code is UPD and the Record-Level Event Code is MDC for all the inactivated items. The code MDC is used to discontinue the use of the record in the Orderable Item file, but not to delete. This will keep the

Appendix

files, 111, 118.2, and 101.43 consistent. The following is a sample test run of the initial population.

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||REP|||NE  
MSG(3)=MFE|MAD|||^~~1^REGULAR^99FHD  
MSG(4)=ZFH|D|20||Y  
MSG(5)=ZSY|1|PRO 40 GM
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||REP|||NE  
MSG(3)=MFE|MAD|||^~~2^PROTEIN 40 GM^99FHD  
MSG(4)=ZFH|D|5||Y  
MSG(5)=ZSY|1|PRO 40 GM
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||REP|||NE  
MSG(3)=MFE|MAD|||^~~3^PROTEIN 20 GM^99FHD  
MSG(4)=ZFH|D|5||N  
MSG(5)=ZSY|1|PRO 20 GM
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||REP|||NE  
MSG(3)=MFE|MAD|||^~~6^SODIUM .5 GM^99FHD  
MSG(4)=ZFH|D|6||  
MSG(5)=ZSY|1|SODIUM  
MSG(6)=ZSY|2|NA .5
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||REP|||NE  
MSG(3)=MFE|MAD|||^~~7^SODIUM 1 GM (44 mEq)^99FHD  
MSG(4)=ZFH|D|6||Y  
MSG(5)=ZSY|1|SODIUM
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||REP|||NE  
MSG(3)=MFE|MAD|||^~~8^SODIUM 2 GM (87 mEq)^99FHD  
MSG(4)=ZFH|D|6||  
MSG(5)=ZSY|1|SODIUM
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||REP|||NE  
MSG(3)=MFE|MAD|||^~~9^3-4 GM SODIUM^99FHD  
MSG(4)=ZFH|D|6||N
```

MSG(5)=ZSY|1|3-4 GM SOD

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|111^DIETS^99DD||REP|||NE
MSG(3)=MFE|MAD|||^10^HIGH FIBER^99FHD
MSG(4)=ZFH|D|9||
MSG(5)=ZSY|1|HIGH FIBER
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No response)

After the population of Diet items, the tube feeding items population will follow.

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||REP|||NE
MSG(3)=MFE|MAD|||^1^AMIN-AID^99FHT
MSG(4)=ZFH|T
MSG(5)=ZSY|1|RENAL FAILURE SOLUTION
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No Response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||REP|||NE
MSG(3)=MFE|MAD|||^3^OSMOLITE^99FHT
MSG(4)=ZFH|T
MSG(5)=ZSY|1|STANDARD TUBEFEEDING
MSG(6)=ZSY|2|ISOCAL
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No Response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||REP|||NE
MSG(3)=MFE|MAD|||^4^CRITICARE HN^99FHT
MSG(4)=ZFH|T
MSG(5)=ZSY|1|HIGH NITROGEN ELEMENTAL
MSG(6)=ZSY|2|CRITICARE HN
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No Response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||REP|||NE
MSG(3)=MFE|MAD|||^5^SUSTACAL^99FHT
MSG(4)=ZFH|T
MSG(5)=ZSY|1|ENSURE
MSG(6)=ZSY|2|TRAVASORB LIQUID
MSG(7)=ZSY|3|STANDARD ORAL SUPPLEMENT
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE", .MSG) (No Response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||REP|||NE
MSG(3)=MFE|MAD|||^9^ISOCAL HCN^99FHT
MSG(4)=ZFH|T
MSG(5)=ZSY|1|HIGH KCAL/PRO TUBE FEEDING
MSG(6)=ZSY|2|MAGNACAL
```

Appendix

D MSG^XQOR("FH ORDERABLE ITEM UPDATE" , .MSG) (No Response)

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|118.2^TUBEFEEING^99DD||REP|||NE  
MSG(3)=MFE|MAD|||^10^PRECISION LR^99FHT  
MSG(4)=ZFH|T  
MSG(5)=ZSY|1|INTACT PROTEIN
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE" , .MSG) (No Response)

When initial population is complete, the inactive messages for Diets are compiled and sent.

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||UPD|||NE  
MSG(3)=MFE|MDC|||^17^POTASSIUM 2 GM^99FHD  
MSG(4)=ZFH|D|32  
MSG(5)=ZSY|1|2 GM K+
```

D MSG^XQOR("FH ORDERABLE ITEM UPDATE" , .MSG) (No Response)

After the inactive Diet messages are sent, Dietetics will compile a message for each inactivated tubefeeding.

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|118.2^TUBEFEEING^99DD||UPD|||NE  
MSG(3)=MFE|MDC|||^18^TEST^99FHT  
MSG(4)=ZFH|T
```

All the Record-Level Event Codes in Table 180 of HL7 Version 2.2 are used with File-Level Event code UPD. Record-level Event Code MAD is used to add items to the Orderable Item file. Record-level Event Code MDL is used to delete items in the Orderable Item file. Record-Level Event Code MUP is used to update the Orderable Item file. The following changes will trigger a HL7 message with a Record-Level Event Code of MUP:

For Diets:

1. Name change
2. Precedence change
3. The field “Ask Expiration Date?” is changed
4. Synonym change
5. Alternate Name (multiple) change

For Tubefeeding:

1. Name change
2. Synonym (multiple) change

If a diet or tubefeeding entry have all the changes listed above for its type, it will be regarded as a single HL7 message since the message will reflect all the changes to one record.

Record-Level Event Code MDC is used to inactivate (deactivate) a record. When a record is reactivated from inactive, the Record-Level Event Code MAC is used.

A sample Add update:

Add record for diet ZZTEST

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|111^DIETS^99DD||UPD|||NE
MSG(3)=MFE|MAD|||^165^ZZTEST DIET^99FHD
MSG(4)=ZFH|D|90||Y
MSG(5)=ZSY|1|ZZT
```

Add record for tubefeeding ZZTEST TF

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||UPD|||NE
MSG(3)=MFE|MDL|||^26^ZZTEST TF^99FHT
MSG(4)=ZFH|T|
MSG(5)=ZSY|1|TEST TF
MSG(6)=ZSY|2|TF TEST
```

A sample Delete update:

Delete Diet ZZTEST

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|111^DIETS^99DD||UPD|||NE
MSG(3)=MFE|MDL|||^165^ZZTEST^99FHD
MSG(4)=ZFH|D|90||Y
MSG(5)=ZSY|1|ZZT
```

Delete tubefeeding ZZTEST TF

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||UPD|||NE
MSG(3)=MFE|MDL|||^26^ZZTEST TF^99FHT
MSG(4)=ZFH|T|
MSG(5)=ZSY|1|TEST TF
MSG(6)=ZSY|2|TF TEST
```

A sample Change update:

Appendix

A change in name, synonym, or precedence in diet 1800 CAL ADA

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||UPD|||NE  
MSG(3)=MFE|MUP|||^32^1800 CAL ADA^99FHD  
MSG(4)=ZFH|D|4||  
MSG(5)=ZSY|1|DB1800 ADA
```

A change in name, or synonym in Tubefeeding PROMOD TEST

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||UPD|||NE  
MSG(3)=MFE|MUP|||^23^PROMOD TEST^99FHT  
MSG(4)=ZFH|T||  
MSG(5)=ZSY|1|PROMOD  
MSG(6)=ZSY|2|PWDR PRO
```

A sample Deactivate (Inactive) Tubefeeding PROMOD TEST:

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||UPD|||NE  
MSG(3)=MFE|MDC|||^23^PROMOD TEST^99FHT  
MSG(4)=ZFH|T||  
MSG(5)=ZSY|1|PROMOD  
MSG(6)=ZSY|2|PWDR PRO
```

A sample Reactivate an inactive Diet 1800 CAL ADA:

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|111^DIETS^99DD||UPD|||NE  
MSG(3)=MFE|MAC|||^32^1800 CAL ADA^99FHD  
MSG(4)=ZFH|D|4||  
MSG(5)=ZSY|1|DB1800 ADA
```

Each record transaction is usually compiled as a message with a single MFE segment like above. A multiple MFE segments is compiled if there is more than one transaction to a record, such as if an inactive record was changed and reactivated. The following is an example:

```
MSG(1)=MSH|^~\&|DIETETICS|578||||MFN  
MSG(2)=MFI|118.2^TUBEFEEDING^99DD||UPD|||NE  
MSG(3)=MFE|MUP|||^26^TEST FLUID RESTRICTION^99FHT  
MSG(4)=ZFH|T||  
MSG(5)=ZSY|1|TEST CC  
MSG(6)=ZSY|3|FLUID CC TF  
MSG(7)=ZSY|4|FLUID REST  
MSG(8)=MFE|MAC|||^26^TEST FLUID RESTRICTION^99FHT  
MSG(9)=ZFH|T||  
MSG(10)=ZSY|1|TEST CC  
MSG(11)=ZSY|3|FLUID CC TF  
MSG(12)=ZSY|4|FLUID REST
```

Dietetics' Interface Specification Documentation

Introduction

This document contains formatting information on communicating Order Events and specified procedure calls between Dietetics and Order Entry (OE/RR). The message format is done in HL7 version 2.2.

Post-Init Conversion

There are two post-init routines:

- 1) Routine FHWORP converts the Package Identifier field on the Order file #100 for all the active Dietetics orders. The conversion changes all the “^” to “;” and adds a character in front of the string such as “A” for Additional Order, “D” for Diet order, “E” for Early/Late Trays, “N” for NPO, and “T” for Tubefeeding.
- 2) Routine FHXUTL cleans up the Dietetics 2.5 protocols. This routine MUST BE executed manually AFTER ORDER ENTRY Version 3 (CPRS) is installed. This is to ensure all the protocols have been converted to Order Dialogs.

A Sample Run:

```
D ^FHXUTL

Clean up 2.5 Dietetics Protocols...
Protocol FHWM Removed From ORADD
Protocol FHWPRO1 Removed From OROPRO
Protocol FHWMENU Removed From ORZ 39A ADMIT
Protocol FHW1 Removed From ORZ 84D REORDER/RE-EVALUATION
Protocol FHWD1 Removed From ORZ ADD MENU 4WEST DOC
Protocol FHWMENU Removed From ORZ ADD MENU 4WEST DOC
Protocol FHWD1 Removed From ORZ ADD MENU IKE2
Protocol FHWMENU Removed From ORZ ADD MENU IKE2
Protocol FHWD1 Removed From ORZ ADD MENU NHCU DOC
Protocol FHWMENU Removed From ORZ ADD MENU NHCU DOC
Protocol FHWD1 Removed From ORZ ADD MENU NURSE
Protocol FHWMENU Removed From ORZ ADD MENU NURSE
Protocol FHWD1 Removed From ORZ ADD MENU NURSE NHCU
Protocol FHWMENU Removed From ORZ ADD MENU NURSE NHCU
Protocol FHWD1 Removed From ORZ ADD ORDERS DETOX
Protocol FHWMENU Removed From ORZ ADD ORDERS DETOX
Protocol FHWN1 Removed From ORZ ADD ORDERS WARD CLERK
Protocol FHWN2 Removed From ORZ ADD ORDERS WARD CLERK
Protocol FHWD1 Removed From ORZ ADD ORDERS WARD CLERK
Protocol FHWMENU Removed From ORZ ADD ORDERS WARD CLERK
Protocol FHWD5 Removed From ORZ ADD ORDERS WARD CLERK
Protocol FHWN1 Removed From ORZ ADD ORDERS WARD CLERK NHCU
Protocol FHWN2 Removed From ORZ ADD ORDERS WARD CLERK NHCU
Protocol FHWD1 Removed From ORZ ADD ORDERS WARD CLERK NHCU
Protocol FHWMENU Removed From ORZ ADD ORDERS WARD CLERK NHCU
Protocol FHWD5 Removed From ORZ ADD ORDERS WARD CLERK NHCU
Protocol FHWD1 Removed From ORZ DETOX ADMIT ORDERS
Protocol FHW7 Removed From ORZ NHCU ADMISSION ORDERS
Protocol FHWMENU Removed From ORZ NHCU ADMISSION ORDERS
Protocol FHW1 Removed From FHWM
Protocol FHW2 Removed From FHWM
Protocol FHW3 Removed From FHWM
Protocol FHW4 Removed From FHWM
Protocol FHW5 Removed From FHWM
Protocol FHW6 Removed From FHWM
Protocol FHW7 Removed From FHWM
Protocol FHW8 Removed From FHWM
```

Appendix

Protocol FHW1 Removed From FHWMENU
Protocol FHW2 Removed From FHWMENU
Protocol FHW3 Removed From FHWMENU
Protocol FHW4 Removed From FHWMENU
Protocol FHW6 Removed From FHWMENU
Protocol FHW7 Removed From FHWMENU
Protocol FHW8 Removed From FHWMENU
Protocol FHNW1 Removed From FHWMENU
Protocol FHNW2 Removed From FHWMENU
Protocol FHWD1 Removed From FHWMENU
Protocol FHWD8 Removed From FHWMENU
Protocol FHWD5 Removed From FHWMENU
Protocol FHWD22-10 Removed From FHWMENU
Protocol FHW1 Removed
Protocol FHW2 Removed
Protocol FHW3 Removed
Protocol FHW4 Removed
Protocol FHW5 Removed
Protocol FHW6 Removed
Protocol FHW7 Removed
Protocol FHW8 Removed
Protocol FHWM Removed
Protocol FHWPRO1 Removed
Protocol FHNW1 Removed
Protocol FHNW2 Removed
Protocol FHWD1 Removed
Protocol FHWMENU Removed
Protocol FHWD8 Removed
Protocol FHWD5 Removed
Protocol FHWD22-10 Removed
...Done

Dietetics Order Parameter

A procedure called FHWOR8 will pass back an array of the Dietetics Order Parameter. The following is a simple call to the procedure:

```
Call:      S VAR="" D EN^FHWOR8(DFN,.VAR)
Return:    VAR(1)=EARLY BREAKFAST TIME 1^ EARLY BREAKFAST TIME 2^
          EARLY BREAKFAST TIME 3^LATE BREAKFAST TIME 1^LATE BREAKFAST TIME
          2^LATE BREAKFAST TIME 3^EARLY NOON TIME 1^ EARLY NOON TIME
          2^EARLY NOON TIME 3^LATE NOON TIME 1^LATE NOON TIME 2^LATE NOON
          TIME 3^EARLY EVENING TIME 1^ EARLY EVENING TIME 2^EARLY EVENING
          TIME 3^LATE EVENING TIME 1^LATE EVENING TIME 2^LATE EVENING TIME
          3
          VAR(2)=LATE BREAKFAST ALARM BEGIN^LATE BREAKFAST
          ALARM END^LATE NOON ALARM BEGIN^LATE NOON ALARM END^LATE EVENING
          ALARM BEGIN^LATE EVENING ALARM END^BEGIN BREAKFAST WINDOW^BEGIN
          NOON WINDOW^BEGIN EVENING WINDOW^PROVIDE BAGGED MEALS?
          VAR(3)=TYPE OF SERVICE
```

Example Return:

```
VAR(1)=6:20A^8:00A^^8:50A^9.25A^^11:00A^12:00P^^12:50P^2:00P^3:00P^3:00P^4:30P^5:30P^^
5:50P^8:50P^9:00P
VAR(2)=630^830^1000^1505^2030^6:50A^11:25A^4:55P^Y
VAR(3)=TC
```

The following are steps for Order Entry to use to determine a late Tray:

Scenario: A Regular Diet is ordered through Order Entry.

Steps:

- 1) Make a call to ^FHWOR8.
- 2) Check the time when diet is placed.
- 3) Compare it to the second array VAR(2).
- 4) Check to see if the start time and end time is between the late alarm begin and late alarm end times.
- 5) Determine meal by which two fields the time falls between.
- 6) Compare the late times with the current time.
- 7) Prompt User with the applicable late time choices (the ones that had not yet been passed).

HL7-Fields

The HL7 messages are comprised of the following fields. Each Dietetics order will be identified by special codes in the ODS or ODT segment which will be discussed later under each order section.

<u>SEG</u>	<u>SEQ</u>	<u>FIELD NAME</u>	<u>EXAMPLE</u>	<u>HL7 TYPE</u>
MSH	1	Field Separator		String
	2	Encoding Characters	^~\&	String
	3	Sending Application	DIETETICS	String
	4	Sending Facility	578	String
	9	Message Type	ORM	ID from placer
			ORR	ID from responder
PID	3	Patient ID	Patient DFN	Composite ID
	5	Patient Name	DOE, John	Patient name
PVI	2	Patient Class	I (Inpatient)	Table 4 (HL7 2.2)
	3	Patient Location	33^101-4	Hospital Location IEN^Room-Bed
	19	Visit Number	987541	IEN of the visit in the Visit file
ORC	1	Order Control	SN	Table 119 (HL7 2.2)
	2	Placer Order Number	234154;1^OR	Number^NameSpace
	3	Filler Order Number	String of code^FH	String of code^NameSpace
	7	Quantity/Timing	^^^19971115 0830	Quantity^Interval^Duration^Start^Stop
	10	Entered By	10	Composite ID

	12	Ordering Provider	97	Composite ID
	15	Order Effective D/T	19971203143 0	Timestamp
	16	Order Control Reason	Patient not a inpatient	Text

The following are the Order Control Codes from Table 119 (HL7 V. 2.2) that are used:

ORDER CONTROL	DESCRIPTION	ORIGINATOR
SN	Send order Number	Filler
NA	Number Assign	Placer
DE	Data error	Filler, Placer
NW	New order	Placer
OK	Order accepted & OK	Filler
CA	Cancel order request	Placer
OC	Order canceled	Filler
CR	Canceled as requested	Filler
UC	Unable to cancel	Filler
DC	Discontinue order request	Placer
OD	Order discontinued	Filler
DR	Discontinued as requested	Filler
UD	Unable to discontinue	Filler
*SC	Status Change	Filler
*SS	Send Order Status Request	Placer
*SR	Response to send order status request	Filler

* SC, SS, and SR are used for Diet Order, NPO, and Early/Late Trays. They are discussed later under their respective sections.

Additional Orders

An Additional Order is free-text, no more than 80 characters. Once it is ordered, it is effective immediately. In Dietetics Version 5.0, the Clear an Additional Order option was removed. An Additional Order will remain on a patient's record until 400 days after discharge. Dietetics will cancel/discontinue an Additional Order that is discontinued through Order Entry. The following is an example of how a new order and cancel/discontinue will be handled.

Order Specs for OE/RR

Additional Orders

Instructions: Free text comments or instructions

HL7 Fields

The HL7 fields are defined for Additional Orders.

<u>SEG</u>	<u>SEQ</u>	<u>FIELD NAME</u>	<u>EXAMPLE</u>	<u>HL7 TYPE</u>
ODS	1	Type of Diet Order	D	Special Code
	3	Additional Order	^^^FH- 6^Additional Order^99OT H	Coded Element
	4	Text	Six Small Feedings	String

Example:

New Order from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
      MSG(2)=PID|||321101||SMITH, JOHN
      MSG(3)=PV1||I|3^310-01|||||||||||
      MSG(4)=ORC|SN||1234;1^FH|||||^199502141545|||888||
                      888|||199502141545
      MSG(5)=ODS|D||^^^FH-6^Additional Order^99OTH|Apples
                      after each meals.
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

The Filler Order for an Additional Order is a number concatenated with an "A" ";" _string of Dietetics package identifier_ " ^" _FH namespace.

Number Assigned from OE/RR:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|NA|12347;1^OR|Filler^FH
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Rejected from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORR
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|DE||Filler^FH|||||||||REASON
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

New Order from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=PV1||I|3^310-01|||||||||||||
      MSG(4)=ORC|NW|12347;1^OR|||^199502141545|||999||
          888||199502141545
      MSG(5)=ODS|D||^FH-6^Additional Order^99OTH|Apples
          after each meals.
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Accepted from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|OK|12347;1^OR|Filler^FH
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Rejected from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|OC|12347;1^OR|||||||888||199502141545|
          REASON
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Discontinue from OE/RR:

Appendix

Array: MSG(1)=MSH|^~\&| ORDER ENTRY|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DC|12347;1^OR|Filler^FH

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Accepted from Dietetics:

Array: MSG(1)=MSH|^~\&| DIETETICS|578|||||ORR
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DR|12347;1^OR|Filler^FH

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Rejected from Dietetics:

Array: MSG(1)=MSH|^~\&| DIETETICS|578|||||ORR
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|UD|12347;1^OR|Filler^FH|||||||888|||
199502141545|REASON

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Diet Orders

There can be no more than five diet modifications for a patient. No other diets can be ordered along with a REGULAR diet. Users cannot order diets with the same precedence. All of the above will cause a reject response from Dietetics. The Effective date/time can be NOW or in the future. Ordering Diets will return the same as in Order Entry version 2.5: a new Diet will cancel the existing Diet, a previous Diet will be re-instated, and all cancelling will be handled by Dietetics per Order Entry developers request. After the installation of patch 6, the Dietetics program will create a new diet entry for the order that needs to be re-instated after the expiration of an existing diet order. Instead of re-instanting to a previous order, the new diet order will kick in. In order to keep both the front door and back door in sync and to notify Order Entry of the Diet, OD and OC (Discontinue/Cancel) Order Controls will not be used. Since all status notifications such as discontinue, in process, expired, and scheduled need to be re-instated from Order Entry 2.5, they will be sent in a Status Change HL7 format. The following are examples of Status Change messages:

```

MSG(1)="MSH|^~\&|DIETETICS|660|||||ORM"
MSG(2)="PID|||532563||DOE/RR,JOHN"
MSG(3)="ORC|SC|12345^OR|<FH identifier>^FH||DC||||888||888"

D MSG^XQOR( "FH EVSEND OR" , .MSG)

MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||10571||TUBBS,ROY L"
MSG(3)="ORC|SC|589349^OR|Filler^FH||SC| |^^^19960821115344^"

D MSG^XQOR( "FH EVSEND OR" , .MSG)

MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||40127||TEST,ADMIT"
MSG(3)="ORC|SC|589329^OR|Filler^FH||IP"

D MSG^XQOR( "FH EVSEND OR" , .MSG)

```

Only four statuses are used from HL7 V2.2 Table 38 and they are DC for Discontinue, IP for active or in process, ZE (added) for Expired, and SC for Scheduled. Even though Order Entry is scheduling all the future orders, SC is needed when a Diet needs to be re-instated in a future date/time such as right after another diet that has an expiration date/time. The Quantity/Timing field is added in the ORC segment for IP and SC statuses. This field serves the same purpose as ORETURN("STRT") and ORETURN("STOP"). If the Start Date or Stop Date is null, there is no change in the date/time from the original HL7 order message. When they are not null, it means a re-instated Diet needs to be scheduled at the new start date or is in process (active).

Appendix

Example:

```
MSG(1) = "MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2) = "PID|||10571||TUBBS,ROY L"
MSG(3) = "ORC|SC|589349^OR|Filler^FH||SC|||^19960821115344^"
D MSG^XQOR("FH EVSEND OR", .MSG)
```

The Entered By and Ordering Provider fields are added in the ORC segment for DC statuses. When a new Diet order is placed, it cancels the current diet order. These fields are needed so the Dietetics program can let Order Entry know who cancelled the order.

Example:

```
MSG(1) = "MSH|^~\&|DIETETICS|660|||||ORM"
MSG(2) = "PID|||532563||DOE/RR,JOHN"
MSG(3) = "ORC|SC|12345^OR|<FH identifier>^FH||DC||||888||888"
D MSG^XQOR("FH EVSEND OR", .MSG)
```

The ONLY times the Entered By and Ordering Provider fields are not passed in the segment, are the following:

- 1) If a scheduled Diet Order goes into effect, DC messages are sent to Order Entry for the current Diet Order or future Diet Order, and
- 2) Whenever Order Entry sends a cancel message for a Diet Order or an NPO and a DC status change acceptance message is returned.

Order Specs for OE/RR

Diet Order

Diets: Up to 5 diet modifications allowed
Regular not selectable with any other diet
Diets with the same precedence not orderable together

Start: NOW or future date/time (If future, Order Entry will task the order)

Stop: Anytime after Start date/time, optional

Delivery: Choices returned in ^FHWOR8

Instructions: Free text comments or instructions

If a tubefeeding order exists, Order Entry will prompt the user with "Do you wish to CANCEL the ORIGINAL tubefeeding? Y//" (YES or NO response)

Dietetics will call function CANCEL^ORCDFH for the answer and send a HL7 message with an OD Discontinue Order Control. \$\$CANCEL^ORCDFH will return a 0 for No or 1 for Yes.

Example discontinue:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
      MSG(2)=PID|||321101||SMITH, JOHN
      MSG(3)=ORC|OD|133441^OR|||||||888|||
      199502141545|REASON
```

HL7 Fields

<u>SEG</u>	<u>SEQ</u>	<u>FIELD NAME</u>	<u>EXAMPLE</u>	<u>HL7 TYPE</u>
ODS	1	Type of Diet Order	ZT ZC ZD	Special Code Tray Cafeteria Dining Room
	3		^^^1^REGU LAR^99FHD	Coded Element

A diet order with multiple diet modifications would send several ODS segments, one for each diet modification.

Example multiple diet modification of High Fiber, Low Fat diet:

```
MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||40127||TEST, ADMIT"
MSG(3)="PV1||I|15^308A-1|||||||||||"
MSG(4)="ORC|SN||Filler^FH||||^__19960821115344^|||102451||102451||1996082111
5345"
MSG(5)="ODS|ZT||^^^13^HIGH FIBER^99FHD"
MSG(6)="ODS|ZT||^^^7^LOW FAT^99FHD"
```

** If the start date and end date fall within a late meal begin and end alarm times, there will be a prompt for a late tray. Order Entry will send Dietetics a NW for late tray order.

Example: New Order of a Regular Diet from Dietetics

```
MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||40127||TEST, ADMIT"
```

Appendix

```
MSG(3) = "PV1| | I| 15^308A-1| | | | | | | | | | | | "
MSG(4) = "ORC| SN| | Filler^FH| | | | ^^^19960821115344^| | 102451| | 102451| | 1996082111
5345"
MSG(5) = "ODS| ZT| | ^^^1^REGULAR^99FHD"
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

```
MSG(1) = "MSH| ^~\&| ORDER ENTRY| 679| | | | ORR"
MSG(2) = "PID| | 40127| | TEST,ADMIT"
MSG(3) = "ORC| NA| 589329^OR| Filler^FH| | | | 102451| | 102451| | 19960821115346| "
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

```
MSG(1) = "MSH| ^~\&| DIETETICS| 679| | | | ORM"
MSG(2) = "PID| | 40127| | TEST,ADMIT"
MSG(3) = "ORC| SC| 589298^OR| Filler^FH| | DC| | | | 102451| | 102451"
```

D MSG^XQOR("FH EVSEND OR", .MSG)

```
MSG(1) = "MSH| ^~\&| DIETETICS| 679| | | | ORM"
MSG(2) = "PID| | 40127| | TEST,ADMIT"
MSG(3) = "ORC| SC| 589329^OR| Filler^FH| | IP"
```

D MSG^XQOR("FH EVSEND OR", .MSG)

Order from OE/RR:

```
MSG(1) = "MSH| ^~\&| ORDER ENTRY| 679| | | | ORM"
MSG(2) = "PID| | 40132| | ACK,TEST"
MSG(3) = "PV1| | I| 15^315-1| | | | | | | | | | | | "
MSG(4) = "ORC| NW| 589441;1^OR| | | | ^^^199608221119^| | 102339| | 102451| | 1996082211
1953"
MSG(5) = "ODS| ZT| | ^^^1^REGULAR^99FHD| "
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

```
MSG(1) = "MSH| ^~\&| DIETETICS| 679| | | | ORR"
MSG(2) = "PID| | 40132| | ACK,TEST"
MSG(3) = "ORC| OK| 589441;1^OR| Filler^FH"
```

D MSG^XQOR("FH EVSEND OR", .MSG)

```
MSG(1) = "MSH| ^~\&| DIETETICS| 679| | | | ORM"
MSG(2) = "PID| | 40132| | ACK,TEST"
MSG(3) = "ORC| SC| 589441;1^OR| Filler^FH| | IP| | ^^^^"
```

D MSG^XQOR("FH EVSEND OR", .MSG)

```
MSG(1) = "MSH| ^~\&| DIETETICS| 679| | | | ORM"
MSG(2) = "PID| | 40132| | ACK,TEST"
MSG(3) = "ORC| SC| 589440;1^OR| Filler^FH| | DC| | | | 102451| | 102451"
```

D MSG^XQOR("FH EVSEND OR", .MSG)

```
MSG(1) = MSH| ^~\&| ORDER ENTRY| 679| | | | ORM
```

```

MSG(2)=PID|||40132||ACK,TEST
MSG(3)=PV1||I|15^315-1|||||||||||||
MSG(4)=ORC|NW|11137;1^OR|||||^ONCE^
    ^199503010925^199503310925|||999||888|||
    199502151400
MSG(5)=ODT|LATE|^^^BL3^^99FHS|bagged

```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

```

MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
MSG(2)=PID|||40132||ACK,TEST
MSG(3)=ORC|OK|11137;1^OR|Filler^FH

```

D MSG^XQOR("FH EVSEND OR", .MSG)

Cancelling Diet Order from OE/RR

Order Entry will check and only allow cancelling of a Diet Order that has not gone into effect to prevent a user cancelling one without putting one in.

Order Entry can send an ORC segment with CA or DC but Dietetics will return a Status change of the Diet Order with a status of DC and also returning a ORC segment of a CR or DR Order Control. CR and DR Order Control are returned ONLY during cancelling from Order Entry.

Example:

```

MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DC|123431^OR|Filler^FH

```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

```

MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|SC|123431^OR|Filler^FH||DC

```

D MSG^XQOR("FH EVSEND OR", .MSG)

```

MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|CR|123431^OR|Filler^FH

```

D MSG^XQOR("FH EVSEND OR", .MSG)

When a future order is supposed to go into effect, Order Entry will send a Send Status request with a status of SC:

```

MSG(1)="MSH|^~\&|ORDER ENTRY|660|||||ORM"
MSG(2)="PID|||532563||DOE/RR,JOHN"
MSG(3)="ORC|SS|12345^OR|<FH identifier>^FH||SC"

```

Appendix

D MSG^XQOR("OR EVSEND FH" , .MSG)

Dietetics will send Status as Requested message(s):

Order to go in process:

```
MSG(1) = "MSH|^~\&|DIETETICS|660||||ORR"  
MSG(2) = "PID|||532563||DOE/RR,JOHN"  
MSG(3) = "ORC|SR|12345^OR|<FH identifier>^FH||IP"
```

D MSG^XQOR("FH EVSEND OR" , .MSG)

Discontinue Existing Diet Order:

```
MSG(1) = "MSH|^~\&|DIETETICS|660||||ORR"  
MSG(2) = "PID|||532563||DOE/RR,JOHN"  
MSG(3) = "ORC|SR|12344^OR|<FH identifier>^FH||DC"
```

D MSG^XQOR("FH EVSEND OR" , .MSG)

Only the status SC will be accepted for Status Send request HL7 message of a Diet Order or NPO.

Early/Late Trays

Early/Late trays can be ordered once for a day or ordered from a start to end date, but no more than 31 days in the future. In Dietetics, one can order from a starting date to ending date for selected days of the week, MTWRFSX. One can order one E/L tray for one meal for one day or order from a starting to ending date every Monday and Wednesday and Friday within the specified dates. For the Order Entry interface, Only ONCE and QJ<day #> (Q1J<day #>) are used in the HL7 V2.2. You can cancel a future early/late order and discontinue an on going one. The following are examples how Early/Late Trays are handled:

Order Specs for OE/RR

Early/Late Tray

Tray: Early or Late
 Meal: Breakfast, Noon, or Evening
 Delivery Time: Choices returned in ^FHWOR8
 Don't bother to prompt if only one time available
 Start: NOW or future date, up to a month in advance (Schedule future order)
 Stop: Anytime after Start date, up to a month in advance
 Days of Week: Ask, if stop date is 1 day or more after start date
 Bagged Meal: Ask, if allowed in ^FHWOR8

HL7 Fields

<u>SEG</u>	<u>SEQ</u>	<u>FIELD NAME</u>	<u>EXAMPLE</u>	<u>HL7 TYPE</u>
ODT	1	Type of Tray	EARLY	EARLY or LATE from Table 160
	2	Service Period	^^^BE1^^99 FHS	Coded Element
	3	Special Instructions	bagged	String

Appendix

Example:

New Order from Dietetics for a late tray from Mar 1, 1995 to Mar 31, 1995 every Tuesday, Thursday, and Saturday for breakfast with late time #3:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=PVI||I|3^310-01|||||||||||||
      MSG(4)=ORC|SN|Filler^FH|||||
          ^QJ2~QJ4~QJ6^^199503010925^199503310925
          |||888||888|||199502151400
      MSG(5)=ODT|LATE|^^^BL3^^99FHS|bagged
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

The Filler Order for an Early/Late tray is an "E" concatenated with an ";"_string of Dietetics package identifier_"^"_FH namespace.

Number Assigned from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|NA|11137;1^OR|Filler^FH
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Rejected from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORR
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|DE|Filler^FH||||||||REASON
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

New Order from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=PVI||I|3^310-01|||||||||||||
      MSG(4)=ORC|NW|11137;1^OR|||||^QJ2~QJ4~QJ6^
          ^199503010925^199503310925|||999||888|||
          199502151400
      MSG(5)=ODT|LATE|^^^BL3^^99FHS|bagged
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Accepted from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|OK|11137;1^OR|Filler^FH
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Rejected from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|OC|11137;1^OR|||||||888|||199502151400|
      REASON
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Cancel from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|OC|11137;1^OR|Filler^FH|||||||888|||
      199502151400|REASON
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

(Discontinue is the same process but use OD instead of OC)

Order Entry has to accept it, unless there is a data error.

Cancel from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|CA|11137;1^OR|Filler^FH
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

(Discontinue is the same process but use DC instead of CA)

Accepted from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|CR|11137;1^OR|Filler^FH
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

When an Early/Late order is supposed to expire, Order Entry will send a send status request with a status of IP (the last status stored in the Order file):

```
MSG(1)="MSH|^~\&|ORDER ENTRY|660|||||ORM"
MSG(2)="PID|||532563||DOE/RR,JOHN"
MSG(3)="ORC|SS|12345^OR|<FH identifier>^FH||IP"
```

D MSG^XQOR("OR EVSEND FH", .MSG)

Appendix

Dietetics will send a Status as Requested message that the order has expired:

```
MSG(1) = "MSH|^~\&|DIETETICS|660||||ORR"  
MSG(2) = "PID|||532563|DOE/RR, JOHN"  
MSG(3) = "ORC|SR|12345^OR|<FH identifier>^FH||ZE"  
  
D MSG^XQOR("FH EVSEND OR", .MSG)
```

Only the status IP is accepted for an Early/Late Tray Status Send request. If any other status is sent, no response is returned. If the order is supposed to go into effect, a SS is sent and there will be no response since no status change is required.

NPO

NPO can be ordered and be effective as soon as it is ordered and it can also be ordered for the future. An expiration date is optional. When an NPO expires, the patient will not have a diet order until a new order is placed. The comment field is 80 characters long. NPO also uses the Status Change messages. Refer to the Diet Order section about using the Status Change messages to update the NPO order.
 Note: There is no Early/Late tray checking for an NPO order.

Order Specs for OE/RR

NPO

Start: NOW or future date/time (Schedule future NPO order)
 Stop: Anytime after Start date/time, optional
 Instructions: Free text comments or instructions

HL7 Fields

SEG	SEQ	FIELD NAME	EXAMPLE	HL7 TYPE
ODS	1	Type of Diet Order	D	Special Code
	3	NPO	^^^FH- 5^NPO^99O TH	Coded Element

Example:

New Order from Dietetics:

```
MSG(1) = "MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2) = "PID|||321101||SMITH,JOHN"
MSG(3) = "ORC|SC|589298^OR|Filler^FH||DC|||||888||888"
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=PV1||I|3^310-01|||||||||||||
      MSG(4)=ORC|SN||Filler^FH|||||^199502141545|||888|||888|||199502141545
      MSG(5)=ODS|D||^^^FH-5^NPO^99OTH|Comment
```

Appendix

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

The Filler Order Number for an NPO is a "N" concatenated with an ";"_string of Dietetics Package Identifier_"^"_FH namespace.

Number Assigned from OE/RR:

Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|NA|589300^OR|Filler^FH

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Rejected from OE/RR:

Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DE||Filler^FH|||||||||REASON

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

New Order from OE/RR:

Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=PV1||I|3^310-01|||||||||||||
MSG(4)=ORC|NW|12237;1^OR|||^199502141545||999|||
888|||199502141545
MSG(5)=ODS|D|^^^FH-5^NPO^99OTH|Comment

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Accepted from Dietetics:

Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|OK|12237;1^OR|Filler^FH

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||321101||SMITH,JOHN"
MSG(3)="ORC|SC|12236^OR|Filler^FH||DC|||||888||888"

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Rejected from Dietetics:

Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
MSG(2)=PID|||321101||SMITH,JOHN

```
MSG(3)=ORC|OC|12237^OR|||||||888|||
199502141545|REASON
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Cancel from Dietetics will be Discontinue Status change:

```
MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||321101||SMITH,JOHN"
MSG(3)="ORC|SC|589298^OR|Filler^FH||DC|||||888||888"
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Order Entry has to accept it, unless there is a data error.

Cancel from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|CA|12237^OR|Filler^FH
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

(Discontinue is the same process but use DC instead of CA)

Dietetics will update the status:

```
MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||321101||SMITH,JOHN"
MSG(3)="ORC|SC|12237^OR|Filler^FH||DC|||||888||888"
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Tubefeeding

In Dietetics Version 5.0, a tubefeeding order can have more than one tubefeeding product with its own strength and quantity. There can be no more than five products ordered at once. Once a tubefeeding is ordered, it is effective immediately. A tubefeeding order will cancel a previous order. There is no need to send a cancel before a NW message. **Only** feeding and hours are applicable as the duration, X <integer> or H<integer> (refer to HL7 V2.2). Grams have been added on as a unit. Products that are in grams can be ordered as GM, Unit, or PKG. The comment field has been extended to 80 characters long. The following is an example of how a tubefeeding order is handled:

Order Specs for OE/RR

Tubefeeding

Products:	Up to 5 tubefeeding products allowed
Strength:	1/4, 1/2, 3/4, or Full strength, asked for each product Default = full strength
Quantity:	Asked for each product, in the format "# units/schedule"
Instructions:	Free text comments or instructions
Cancel orders:	Yes or no, to cancel future tray orders Function provided, CANCEL^ORCDFH, which returns a 0 for no or 1 for yes

HL7 Fields

<u>SEG</u>	<u>SEQ</u>	<u>FIELD NAME</u>	<u>EXAMPLE</u>	<u>HL7 TYPE</u>
ODS	1	Type of Diet Order	ZE	Special Code Tubefeeding
	3		^^^7- 4^ENSURE, FULL STRENGTH^ 99FHT	Coded Element
ZQT	2	Quantity Information	8&O^TID^^1 99703280730	String

Multiple tubefeeding products will be passed as one order, with a single ORC segment and multiple ODS/ZQT pairs. This is because tubefeeding requires its own timing/quantity field.

Example:

New Order of 100 CC POLYCOSE (1/2 strength 1/2,BID for 6 hrs), and 15 GM AMIN-AID (Full strength, Q3H for 6 feedings) from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=PV1||I|3^310-01|||||||||||||
      MSG(4)=ORC|SN||Filler^FH|||||^199502141545
          |||888||888|||199502141545
      MSG(5)=ODS|ZE||^20-2^POLYCOSE^99FHT
      MSG(6)=ZQT||100&C^BID^H6^199502141545
      MSG(7)=ODS|ZE||^1-4^AMIN-AID^99FHT
      MSG(8)=ZQT||15&G^Q3H^X6^199502141545
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Number Assigned from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|NA|13344;1^OR|Filler^FH
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

The Filler Order Number for an Tubefeeding is a "T" concatenated with an ";"_String of Dietetics Package Identifier_;"^"_FH namespace.

Rejected from OE/RR:

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|DE||Filler^FH|||||||||REASON
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

New Order from OE/RR (same as Dietetics):

```
Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=PV1||I|3^310-01|||||||||||||
      MSG(4)=ORC|NW|133441;1^OR|||||^199502141545
          |||999||888|||199502141545
      MSG(5)=ODS|ZE||^20-2^POLYCOSE^99FHT
      MSG(6)=ZQT||100&C^BID^H6^199502141545
```

Appendix

```
MSG(7)=ODS|ZE||1-4^AMIN-AID^99FHT  
MSG(8)=ZQT||15&G^Q3H^X6^199502141545
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Accepted from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM  
MSG(2)=PID|||321101||SMITH,JOHN  
MSG(3)=ORC|OD|13343^OR|||||||888|||  
199502141545|REASON
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM  
MSG(2)=PID|||321101||SMITH,JOHN  
MSG(3)=ORC|OK|13344;1^OR|123;5^FH
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

(Discontinue the tray if \$\$CANCEL^ORCDFH returns a 1)

```
MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"  
MSG(2)="PID|||321101||SMITH,JOHN"  
MSG(3)="ORC|SC|543935^OR|Filler^FH||DC|||||888||888"
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Rejected from Dietetics:

```
Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM  
MSG(2)=PID|||321101||SMITH,JOHN  
MSG(3)=ORC|OC|133441^OR|||||||888|||  
199502141545|REASON
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

When a Tubefeeding order is placed, Order Entry MUST prompt the user with the question "Cancel all current or future tray orders? Y//". A function CANCEL^ORCDFH is provided by Order Entry for Dietetics to call. This will allow Dietetics to send a Status Change HL7 Message to Order Entry.

Cancelling a Tubefeeding:

When a Tubefeeding is cancelled through the front door, the front door needs to prompt the user with: "Do you wish to RESUME Tray Service? N// (IF there is an existing Diet Order). Order Entry will provide a function RESUME^ORCDFH.

When a Tubefeeding is cancelled, the user can choose to resume the current diet order tray. Dietetics will call the function and resume it.

Example:

```

MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||40127||TEST,ADMIT"
MSG(3)="ORC|SC|589298^OR|Filler^FH||DC"

D MSG^XQOR( "FH EVSEND OR" , .MSG)

MSG(1)="MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2)="PID|||40127||TEST,ADMIT"
MSG(3)="ORC|SC|589329^OR|Filler^FH||IP"

D MSG^XQOR( "FH EVSEND OR" , .MSG)

```

Tubefeeding Extrinsic Function:

Pass the IEN of the tubefeeding, strength, and quantity to function QUAN^FHWOR5R and the total quantity in cc of that product will be returned.

Call: S Variable1=IEN of Tubefeeding-Strength
 S Variable2=the three quantity value of the HL7 message
 S Variable3=\$\$QUAN^FHWOR5R

Example: S VARIABLE1="12-3"
 S VARIABLE2="100&C^BID^H6"
 S VARIABLE3=\$\$QUAN^FHWOR5R

If the order is for multiple products, Order Entry needs to add up the total quantity of all. The quantity can not exceed 5000cc

Isolation/Precaution

Order Specs for OE/RR

Isolation/Precaution

Pointer to the Isolation/Precaution file #119.4
Order Effective when ordered.

HL7 Fields

SEG	SEQ	FIELD NAME	EXAMPLE	HL7 TYPE
OBR	12	Isolation/Precaution	^^^1^RESPIRATION^99FHI	Special Code

Example: New Order of an isolation from Dietetics

```
MSG(1) = "MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2) = "PID|||40127||TEST,ADMIT"
MSG(3) = "PV1||I|15^308A-1|||||||||||||"
MSG(4) = "ORC|SN|Filler^FH|||||^19960821115344^|||102451||102451|||19960821115345"
MSG(5) = "OBR|||||||||^1^RESPIRATORY^99FHI"
```

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

```
MSG(1) = "MSH|^~\&|ORDER ENTRY|679|||||ORR"
MSG(2) = "PID|||40127||TEST,ADMIT"
MSG(3) = "ORC|NA|589329^OR|Filler^FH|||||102451||3456|||19960821115346|"
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Order from OE/RR:

```
MSG(1) = "MSH|^~\&|ORDER ENTRY|679|||||ORM"
MSG(2) = "PID|||40132||ACK,TEST"
MSG(3) = "PV1||I|15^315-1|||||||||||||"
MSG(4) = "ORC|NW|589441;1^OR|||||^199608221119^|||102451||102451|||19960822111953"
MSG(5) = "OBR|||||||||^1^RESPIRATORY^99FHI"
```

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

```

MSG(1)="MSH|^~\&|DIETETICS|679|||||ORR"
MSG(2)="PID|||40132||ACK,TEST"
MSG(3)="ORC|OK|589441;1^OR|Filler^FH"

D MSG^XQOR( "FH EVSEND OR" , .MSG)

```

Dietetics Cancel Isolation/Precaution:

```

Array: MSG(1)=MSH|^~\&|DIETETICS|679|||||ORM
      MSG(2)=PID|||321101||ACK,TEST
      MSG(3)=ORC|OC|589440^OR|||||||888|||
      1996082211953|REASON

```

Call: D MSG^XQOR("FH EVSEND OR" , .MSG)

Cancel from OE/RR:

```

Array: MSG(1)=MSH|^~\&|ORDER ENTRY|679|||||ORM
      MSG(2)=PID|||321101||ACK,TEST
      MSG(3)=ORC|CA|123471^OR|Filler^FH

```

Call: D MSG^XQOR("OR EVSEND FH" , .MSG)

Accepted from Dietetics:

```

Array: MSG(1)=MSH|^~\&|DIETETICS|679|||||ORR
      MSG(2)=PID|||321101||ACK,TEST
      MSG(3)=ORC|CR|123471^OR|Filler^FH

```

Call: D MSG^XQOR("FH EVSEND OR" , .MSG)

Consults

The protocol FHW6 Dietetic Consult will not be converted when Order Entry version 3 (CPRS) is installed. Dietetic Consults should be entered through the Consult/Request Tracking package when Order Entry 3 is released.

Patient Movements

Admission

Dietetics will send a SN message for the patient when admitted to a ward that has a default Diet:

```

MSG(1) = "MSH|^~\&|DIETETICS|679|||||ORM"
MSG(2) = "PID|||40128||TEST,T"
MSG(3) = "PV1||I|16^252-2|||||||||"
MSG(4) = "ORC|SN|Filler^FH|||||^19960822^||102451||102451||19960822150457"
MSG(5) = "ODS|ZT||^^^30^MECHANICAL^99FHD"

MSG(1) = "MSH|^~\&|ORDER ENTRY|679|||||ORR"
MSG(2) = "PID|||40128||TEST,T"
MSG(3) = "ORC|NA|589468^OR|Filler^FH|||||102451||103305||19960822150459| "

```

Note: When patient is admitted, the user is presented with the list manager of the patient's list of orders to review before updating the Dietetics Package. If the user DOES NOT enter a new Diet Order, the patient will receive the default admission Diet (if there is any) while Dietetics is being updated. If the user DOES ENTER a New Diet, it WILL OVERWRITE the default admission Diet of Dietetics. This is due to the following:

- 1) Dietetics is not updated when the HL7 message of the New Diet arrives and the node in the Dietetic Patient file is not yet set for the new patient.
- 2) Dietetics receives the message and stores the order. Since there is no entry for the patient in the Dietetic Patient file, an entry is created, the cross references are updated, and the patient is given a default admission diet.
- 3) Then, the New Order received from Order Entry is processed and overwrites the one from Dietetics.

Discharge

Order Entry will be sending all the Discontinue/Cancel HL7 messages.

Example:

```

Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
      MSG(2)=PID|||321101||SMITH,JOHN
      MSG(3)=ORC|DC|13343;1^OR|||||||888|||

```

Appendix

199502141545 | REASON

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DR|13343;1^OR|||||||888|||
199502141545|REASON

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Array: MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DC|12347;1^OR|Filler^FH

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

Array: MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DR|12347;1^OR|Filler^FH

Call: D MSG^XQOR("FH EVSEND OR", .MSG)

Note: The Only exception is if Order Entry is sending a discontinue/cancel for a Diet or NPO, a status change and a DR or CR message are sent.

Example:

MSG(1)=MSH|^~\&|ORDER ENTRY|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DC|123431^OR|Filler^FH

Call: D MSG^XQOR("OR EVSEND FH", .MSG)

MSG(1)=MSH|^~\&|DIETETICS|578|||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|SC|123431^OR|Filler^FH||DC

D MSG^XQOR("FH EVSEND OR", .MSG)

MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|DR|123431^OR|Filler^FH

D MSG^XQOR("FH EVSEND OR", .MSG)

Pass

Nothing will be sent on either side.

Purge Orders

HL7 Fields

Purge Request from OE/RR:

SEG	SEQ	FIELD NAME	EXAMPLE	HL7 TYPE
ORC	1	Control Code	Z@	Special Code
	2	Placer Order Number	44459^OR	Number^Namespace
	3	Filler Order Number	String of code^FH	String of code^Namespace

Example:

```
MSG(1)=MSH|^~\&|ORDER ENTRY|578||||ORM
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|Z@|12343.1^OR|Filler^FH
```

```
D MSG^XQOR( "OR EVSEND FH" , .MSG )
```

Purge Request Accepted:

SEG	SEQ	FIELD NAME	EXAMPLE	HL7 TYPE
ORC	1	Control Code	ZR	Special Code
	2	Placer Order Number	44459^OR	Number^Namespace
	3	Filler Order Number	String of code^FH	String of code^Namespace

Example:

```
MSG(1)=MSH|^~\&|DIETETICS|578||||ORR
MSG(2)=PID|||321101||SMITH,JOHN
MSG(3)=ORC|ZR|12343.1^OR|Filler^FH
```

```
D MSG^XQOR( "FH EVSEND OR" , .MSG )
```

Appendix

Unable to Purge:

<u>SEG</u>	<u>SEQ</u>	<u>FIELD NAME</u>	<u>EXAMPLE</u>	<u>HL7 TYPE</u>
ORC	1	Control Code	ZU	Special Code
	2	Placer Order Number	44459^OR	Number^NameSpace
	3	Filler Order Number	String of code^FH	String of code^NameSpace

Example:

```
MSG(1)=MSH|^~\&|DIETETICS|578|||||ORR  
MSG(2)=PID|||321101||SMITH,JOHN  
MSG(3)=ORC|ZU|12343.1^OR|Filler^FH
```

```
D MSG^XQOR( "FH EVSEND OR" , .MSG )
```

Procedure Calls

Dietetic Profile

The routine FHWOR7 is the entry point for Order Entry to call for the information on the Dietetic Profile. In order for the Dietetics to return the requested information, Order Entry will pass the patient's DFN and Dietetics will return the patient's current Supplemental Feeding, Tubefeeding's KCAL/DAY, and the Food Preferences. The following is an example of the procedure call.

Order Entry pass patient DFN D ^FHWOR7
DIETETICS returns the following:

Supplemental Feeding:

`^TMP($J,"FHSF",1)=Date/Time (FM form)_"_"^"10 am Feedings_""^"2 pm
Feedings_""^"8 pm Feedings`

(Under each feeding, the information is stored as Quantity_ " _fdg name #1_,"...up to 4 Fdg names.)

Tubefeeding:

`^TMP($J,"FHTF",1)=KCAL/DAY`

Food Preferences:

For Likes:

`^TMP($J,"FHFP","L",1)=Quantity_ " _Food Preference Name_""^"_Meal (e.j.
BNE)`

"

"

For Dislikes:

`^TMP($J,"FHFP","D",1)=Food Preference Name_""^"_Meal`
" "
"

The following is a sample of a call to the routine.

Appendix

Sample:

```
^TMP(566266005,"FHFP","D",1) = NO BRUSSELS SPROUTS^NE
^TMP(566266005,"FHFP","D",2) = NO GELATIN^B
^TMP(566266005,"FHFP","D",3) = NO SHRIMPS^BNE
^TMP(566266005,"FHFP","D",4) = NO GREEN FOODS^N
^TMP(566266005,"FHFP","L",1) = 1 WHOLE-WHEAT BREAD^NE
^TMP(566266005,"FHFP","L",2) = 2 ORANGE^BNE
^TMP(566266005,"FHFP","L",3) = 1 BEEF BURGER^N
^TMP(566266005,"FHFP","L",4) = 1 CHILLI MAC^E
^TMP(566266005,"FHFP","L",5) = 1 TEA^B
^TMP(566266005,"FHFP","L",6) = 1 PIZZA PUFFS^NE
^TMP(566266005,"FHFP","L",7) = 1 COFFEE^B
^TMP(566266005,"FHFP","L",8) = 1 TANGERINE^E
^TMP(566266005,"FHFP","L",9) = 2 MILK^B
^TMP(566266005,"FHSF",1) = 2941222.103109^^^1 MILK, SKIM;1 CRAX, GRAHAM, PKG
^TMP(566266005,"FHTF",1) = 3964
```

All returned information will be in ^TMP(\$J,"FH namespace").

Nutrient Assessment

Extrinsic function FHWORADT^FHWORA(DFN) will return the assessment dates for a patient.

Input : DFN -> the IEN of the patient

Output: -1^error text -> no assessments passed back with reason being error text

1 -> Assessments for our patient have been found. Data will stored in:

^TMP(\$J,"FHADT",DFN, inverse internal date/time)=external date/time

Example:

S X=\$\$FHWORADT^FHWORA(DFN)

If variable X exists, the function returns:

```
^TMP(583062099,"FHADT",1,7029868.918) = Jan 30, 1997@08:20
^TMP(583062099,"FHADT",1,7039496.8748) = May 02, 1996@12:52
^TMP(583062099,"FHADT",1,7039771.8399) = Feb 27, 1996@16:01
^TMP(583062099,"FHADT",1,7049286.8873) = Jul 12, 1995@11:27
^TMP(583062099,"FHADT",1,7049481.9065) = May 17, 1995@09:35
^TMP(583062099,"FHADT",1,7049676.885) = Mar 22, 1995@11:50
^TMP(583062099,"FHADT",1,7049678.9061) = Mar 20, 1995@09:39
^TMP(583062099,"FHADT",1,7069180.8898) = Aug 18, 1993@11:02
^TMP(583062099,"FHADT",1,7069584.9067) = Apr 14, 1993@09:33
```

Nutrient Assessment Display

Extrinsic function FHWORASM^FHWORA(DFN,FHADTX) store Assessment data so it can be displayed.

Input : DFN -> id of the patient
 FHADTX -> Assessment Date (external format)
 Output: -1^error text, error text will be failure reason
 1, no error data to be stored in:
 ^TMP(\$J,"FHASM",DFN,seq #)="lines of text"

Example:

S X=\$\$FHWORASM^FHWORA(DFN,FHADTX)

If the variable X exists, the function returns:

```

^TMP(583062099,"FHASM",1,1) =                               Date of Assessment: 30-Jan-97
^TMP(583062099,"FHASM",1,2) =
^TMP(583062099,"FHASM",1,3) = Height:      5' 2" (157 cm)
^TMP(583062099,"FHASM",1,4) = Weight:       114 lbs (51.8 kg)           Weight
Taken:   30-Jan-97 0:am
^TMP(583062099,"FHASM",1,5) = Usual Weight: 114 lbs (51.8 kg)           Weight/Usual Wt:
100%
^TMP(583062099,"FHASM",1,6) = Ideal Weight: 121 lbs (55 kg)
Weight/IBW:    94%
^TMP(583062099,"FHASM",1,7) = Frame Size: Large
Body Mass Index: 20.9 (15%)
^TMP(583062099,"FHASM",1,8) =
^TMP(583062099,"FHASM",1,9) =                               Anthropometric Measurements
^TMP(583062099,"FHASM",1,10) =                         %ile
^TMP(583062099,"FHASM",1,11) =
^TMP(583062099,"FHASM",1,12) =     Triceps Skinfold (mm)    45   95   Arm Circumference (cm)
60   99
^TMP(583062099,"FHASM",1,13) =     Subscapular Skinfold (mm) 40   90   Bone-free AMA (cm2)
161   99
^TMP(583062099,"FHASM",1,14) =     Calf Circumference (cm)   75
^TMP(583062099,"FHASM",1,15) =
^TMP(583062099,"FHASM",1,16) =                               Laboratory Data
^TMP(583062099,"FHASM",1,17) =     Test          Result   units   Ref.   range
Date
^TMP(583062099,"FHASM",1,18) =
^TMP(583062099,"FHASM",1,19) =     No laboratory data available last 90 days
^TMP(583062099,"FHASM",1,20) =
^TMP(583062099,"FHASM",1,21) =     Energy Requirements: 4950 Kcal/day           Kcal:N  755:1
N-Bal: -12
^TMP(583062099,"FHASM",1,22) =     Protein Requirements: 41 gm/day           NPC:N  730:1
^TMP(583062099,"FHASM",1,23) =     Fluid Requirements: 1814 ml/day
^TMP(583062099,"FHASM",1,24) =
^TMP(583062099,"FHASM",1,25) =     Appearance:          OK
^TMP(583062099,"FHASM",1,26) =     Nutrition Class:    FINE AND DANDY
^TMP(583062099,"FHASM",1,27) =     Nutrition Status:  Normal
^TMP(583062099,"FHASM",1,28) =
^TMP(583062099,"FHASM",1,29) =     Comments
^TMP(583062099,"FHASM",1,30) =
^TMP(583062099,"FHASM",1,31) =     ALSDKJFAL;SDJF;KASDF
^TMP(583062099,"FHASM",1,32) =     Entered by: TEST, USER

```

Diet Profile

Extrinsic function P^FHWOR71(DFN) returns Dietetics Profile for CPRS.

INPUT: DFN = Patient file #2 internal record number

OUTPUT: -1^displayable error text (if invalid DFN or no profile)

1 if successful, and displayable data in

^TMP(\$J,"FHPROF",DFN,n) = line of text

where n = sequential number

Example:

S X=\$\$P^FHWOR71(DFN)

If variable X exists, the function returns:

```
^TMP(583062099,"FHPROF",1,1) =
^TMP(583062099,"FHPROF",1,2) = Food Preferences Currently on file
^TMP(583062099,"FHPROF",1,3) =
^TMP(583062099,"FHPROF",1,4) = Likes Dislikes
^TMP(583062099,"FHPROF",1,5) =
^TMP(583062099,"FHPROF",1,7) = All Meals 1 GELATIN NO EGG, NO LIVER
(D)
^TMP(583062099,"FHPROF",1,8) = Break 1 ORANGE JUICE, 1 WATER
^TMP(583062099,"FHPROF",1,9) = Noon 1 PIZZA PUFFS NO SHRIMPS, NO
GREEN FOODS
^TMP(583062099,"FHPROF",1,10) = 1 WHOLE-WHEAT BREAD
^TMP(583062099,"FHPROF",1,11) = 1 POTATO CHIPS, 1 WHITE BREAD
^TMP(583062099,"FHPROF",1,12) = Noon,Even 1 TANGERINE NO PORK
^TMP(583062099,"FHPROF",1,13) = Even 2 TACO
^TMP(583062099,"FHPROF",1,16) =
^TMP(583062099,"FHPROF",1,17) = Isolation/Precaution Type is STOP SIGN
^TMP(583062099,"FHPROF",1,18) =
^TMP(583062099,"FHPROF",1,19) = Current Diet: REGULAR
^TMP(583062099,"FHPROF",1,20) = Service: Tray
^TMP(583062099,"FHPROF",1,21) =
^TMP(583062099,"FHPROF",1,22) = Supplemental Feeding: 1500 CALORIE ADA Review
ed: 17-Jun-97 11:48am
^TMP(583062099,"FHPROF",1,24) = 8pm: 1 CRAX, GRAHAM, PKG
^TMP(583062099,"FHPROF",1,26) = No future Diet Orders exist
^TMP(583062099,"FHPROF",1,27) =
^TMP(583062099,"FHPROF",1,29) = No future Early or Late Trays ordered
^TMP(583062099,"FHPROF",1,30) =
^TMP(583062099,"FHPROF",1,31) = Active Standing Orders:
^TMP(583062099,"FHPROF",1,33) = Break 1 APPLE
^TMP(583062099,"FHPROF",1,34) = Break 2 POTATO PANCAKE
^TMP(583062099,"FHPROF",1,35) = Break 3 PEANUTS
^TMP(583062099,"FHPROF",1,36) = Break 1 COKE
^TMP(583062099,"FHPROF",1,37) = Noon 1 APPLE
^TMP(583062099,"FHPROF",1,38) = Noon 4 LADY FINGERS
^TMP(583062099,"FHPROF",1,39) = Noon 2 LEMON COOKIES
^TMP(583062099,"FHPROF",1,40) = Even 1 CORN BEEF
^TMP(583062099,"FHPROF",1,41) = Even 1 FRUIT PUNCH (NATURAL)
^TMP(583062099,"FHPROF",1,42) =
^TMP(583062099,"FHPROF",1,43) = Consult: OTHER
^TMP(583062099,"FHPROF",1,44) = Comment: BULIMIA TREATMENT II
^TMP(583062099,"FHPROF",1,45) = Ordered: 15-Nov-94 3:17pm
```

Current Diet Display Entry Point

The following entry point is used by Order Entry to display the current diet.

CUR^FHORD7

Input: DFN (Patient IEN)
ADM (Admission Number)

Output: Y (Free Text of current diet order)

Example of call:

S DFN=1,ADM=541

D CUR^FHORD7

W Y
REGULAR